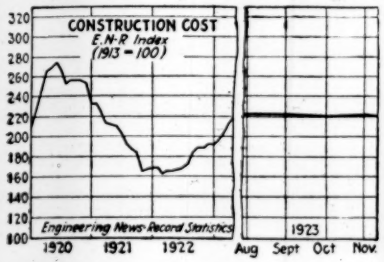
CONSTRUCTION NEWS

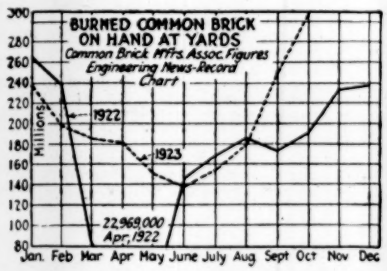
Engineering News-Record, November 29, 1923

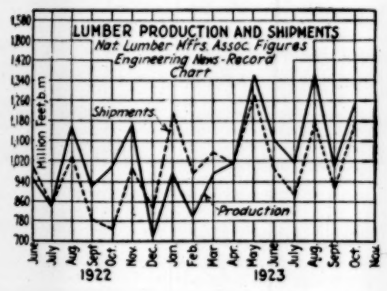
The Construction Barometer

Seasonal Drop in Construction—Gain in Permits—Plenty of Cars and Materials—Scarcity Feared in Spring

WHILE there has been a steady gain in private construction projects during the first half of November, the tendency, during the last week, has been toward a falling off in both private and public work. Autumn building permits, however, show an unusual gain compared with previous years. With a seasonal downward trend in construction cost, plenty of materials and improved transportation facilities, buyers are strongly tempted to enter the market during the off-season, in order to avoid the usual Spring labor and materials' scarcity and traffic congestion.







Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Nov. 8	$9,434,000	$17,689,000	$27,123,000
Nov. 15	14,223,000	24,496,000	38,719,000
Nov. 22	10,461,000	9,259,000	19,720,000
3 Weeks	$34,118,000	$51,444,000	$85,562,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

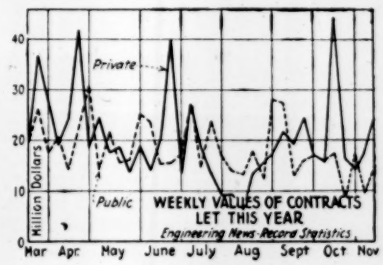
Week Ended	Public No.	Public Work	Private No.	Private Work
Nov. 8	12	$3,833,000	27	$12,150,000
Nov. 15	7	4,329,000	28	13,526,000
Nov. 22	10	2,841,000	21	5,830,000

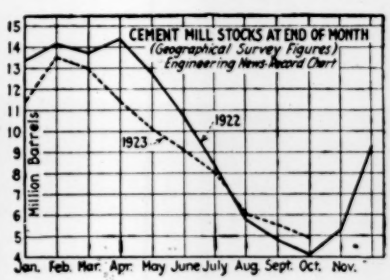
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

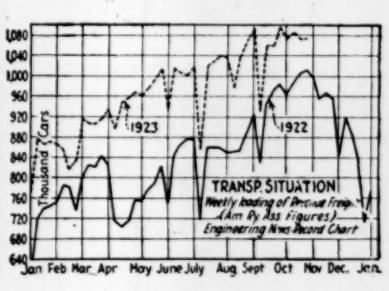
Week Ended	Private	Public: All	Public: Streets and Roads	Public: Waterworks and Sewers	Public: All Buildings
Nov. 8	30	141	31	27	34
Nov. 15	26	148	35	21	41
Nov. 22	29	185	47	31	61

CEMENT CHEAPER—OTHER BASIC PRICES FIRM

	Quoted on Nov. 29, at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @2.60	June 21
Cement, Chi., net bbl.	2.10	2.20	Nov. 22
Pine, N. Y., M. ft.	61.00	62.00	Nov. 1
Fir, San Fran., M. ft.	41.00	42.00	Sept. 27
Common labor, hr.	.54	.53	June 28




CEMENT MILL STOCKS AT END OF MONTH
(Geographical Survey Figures)
Engineering News-Record Chart
Million Barrels
1922
1923
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov.



PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 3	Chicago Heights, Ill. Adv. Nov. 29.	Nov. 29
Dec. 4	St. Paul, Minn.	Nov. 29
Dec. 4	Toledo, O.	Nov. 22
Dec. 4	Buffalo, N. Y.	Nov. 29
Dec. 5	Webb, N. Y.	Nov. 8
Dec. 5	Akron, O.	Nov. 22
Dec. 5	Minneapolis, Minn.	Nov. 29
Dec. 5	Fargo, N. D.	Nov. 29
Dec. 6	Porterville, Calif.	Nov. 22
Dec. 12	Keyser, W. Va.	Nov. 8
Dec. 12	Albuquerque, N. M. Adv. Nov. 22 and 29.	Nov. 22
Dec. 12	Kearny (Arlington P. O.), N. J.	Nov. 22
Dec. 13	Athens, Wis.	Nov. 29
Dec. 14	Seattle, Wash.	Nov. 15
Dec. 14	Washington, Ia.	Nov. 29
Dec. 17	Elizabethtown, Ky. Adv. Nov. 29.	Nov. 29
Dec. 17	Windsor (New Windsor P. O.), Ill.	Nov. 22
Dec. 18	Laurinburg, N. C.	Nov. 22
Dec. 19	Scituate (North Scituate P. O.), R. I. Adv. Nov. 22 and 29.	Nov. 22
Dec. 19	Erie, Pa. Adv. Nov. 29.	Nov. 29
Dec. 22	Carlisle, Ia.	Nov. 29
Dec. 23	New Holstein, Wis.	Oct. 11

SEWERS

Bids Close		See Eng. News-Record
Dec. 3	Long Island City, N. Y.	Nov. 29
Dec. 5	Brooklyn, N. Y.	Nov. 29
Dec. 5	Holland, Mich.	Nov. 15
Dec. 5	Akron, O.	Nov. 22
Dec. 5	Baltimore, Ia.	Nov. 29
Dec. 6	Lewistown, Pa.	Nov. 22
Dec. 10	New Orleans, La. Adv. Oct. 11 to Nov. 29.	Oct. 11
Dec. 11	Bluefield, W. Va. Adv. Nov. 22 and 29.	Nov. 22
Dec. 18	Laurinburg, N. C. Adv. Nov. 29.	Nov. 29
Dec. 23	New Holstein, Wis.	Oct. 11

BRIDGES

Bids Close		See Eng. News-Record
Dec. 5	Salem, Mass.	Nov. 8
Dec. 5	Freehold, N. J. Adv. Nov. 15 to 29.	Nov. 15

Bids Close		See Eng. News-Record
Dec. 5	Rochelle Park, N. J. Adv. Nov. 22 and 29.	Nov. 22
Dec. 10	New Jersey Adv. Nov. 22 and 29.	Nov. 22
Dec. 14	Richmond, Tex. Adv. Nov. 29.	Nov. 29
Dec. 19	Indianapolis, Ind.	Nov. 29
Dec. 19	Delaware Adv. Nov. 29.	Nov. 29
Dec. 20	Correctionville, Ia.	Nov. 22
May 1	Tientsen, North China	Oct. 11

DAMS

Jan. 7	Los Angeles, Calif.	Nov. 29

RAILWAYS

Mar. 18	New Zealand	Sept. 20

EXCAVATION, DRAINAGE IRRIGATION

Nov. 30	New York	Nov. 22
Dec. 6	Manteca, Calif.	Nov. 22

STREETS AND ROADS

Dec. 1	Wilmington, Ill.	Nov. 29
Dec. 1	Troy, N. Y.	Nov. 29
Dec. 3	Little Rock, Ark.	Nov. 29
Dec. 3	Jacksonville, Fla.	Nov. 15
Dec. 3	Spencer, Ind.	Nov. 22
Dec. 3	Long Island City, N. Y.	Nov. 29
Dec. 4	Marion, Ind.	Nov. 29
Dec. 4	New Boston, Tex.	Nov. 29
Dec. 4	Logansport, Ind.	Nov. 15
Dec. 4	Little Rock, Ark.	Nov. 22
Dec. 4	Sioux City, Ia.	Nov. 22
Dec. 4	Bartow, Fla.	Nov. 22
Dec. 4	Wilkes Barre, Pa.	Nov. 29
Dec. 4	Fairfax, Okla.	Nov. 29
Dec. 5	Punta Gorda, Fla.	Nov. 29
Dec. 5	Wewoka, Okla.	Nov. 29
Dec. 5	Aiken, S. C.	Nov. 22
Dec. 5	Raleigh, N. C. Adv. Nov. 15 and 29.	Nov. 15
Dec. 5	New Jersey Adv. Nov. 22 and 29.	Nov. 22
Dec. 5	Ebensburg, Pa.	Nov. 29
Dec. 5	Brooklyn, N. Y.	Nov. 29
Dec. 6	Palo Pinto, Tex.	Nov. 22
Dec. 6	Duluth, Minn.	Nov. 22
Dec. 6	Fresno, Calif.	Nov. 29
Dec. 6	Michigan	Nov. 29
Dec. 7	Michigan	Nov. 29
Dec. 9	Syracuse, N. Y.	Nov. 29
Dec. 10	Kansas City, Kan.	Nov. 89
Dec. 10	Palestine, Tex.	Nov. 29
Dec. 10	Houston, Tex.	Nov. 29
Dec. 10	Indianapolis, Ind.	Nov. 29
Dec. 10	Bonner Springs, Kan.	Nov. 22
Dec. 10	Buckhannon, W. Va.	Nov. 22
Dec. 10	Palestine, Tex.	Nov. 22
Dec. 10	Michigan	Nov. 29
Dec. 11	McKinney, Tex.	Nov. 29
Dec. 11	Ohio	Nov. 29
Dec. 11	West Virginia Adv. Nov. 22 and 29.	Nov. 22
Dec. 11	Michigan	Nov. 22
Dec. 11	Pennsylvania Adv. Nov. 22 and 29.	Nov. 22
Dec. 11	Quebec	Nov. 29
Dec. 12	Webster City, Ia.	Nov. 22
Dec. 12	Michigan	Nov. 29
Dec. 12	Fayetteville, N. C.	Nov. 29
Dec. 13	West Virginia Adv. Nov. 22 and 29.	Nov. 22
Dec. 15	McLeansboro, Ill.	Nov. 29
Dec. 17	East Aurora, N. Y.	Nov. 29
Dec. 17	Grenada, Miss.	Nov. 29
Dec. 18	Rushville, Ind.	Nov. 29
Dec. 18	Angleton, Tex.	Nov. 29
Dec. 18	Michigan	Nov. 29
Dec. 18	Belzoni, Miss.	Nov. 22
Dec. 19	Sierra Blance, Tex.	Nov. 29
Dec. 21	Collins, Miss.	Nov. 29
Dec. 26	St. Louis, Mo.	Nov. 29
Dec. 29	Hallettsville, Tex.	Nov. 29

INDUSTRIAL WORK

Dec. 11	Tampa, Fla. Adv. Nov. 15 to 29.	Nov. 15
Dec. 12	Pulaski, Tenn.	Nov. 22
Dec. 18	Palmyra, N. Y. Adv. Nov. 22 and 29.	Nov. 22

BUILDINGS

Dec. 4	Hartford, Conn.	Nov. 22
Dec. 4	Brooklyn, N. Y. Adv. Nov. 8 to 29.	Nov. 8
Dec. 4	Louisville, Ky.	Nov. 8
Dec. 4	Greensboro, N. C.	Nov. 15
Dec. 4	Hyde Park (Boston P. O.) Mass.	Nov. 22
Dec. 4	Slayton, Minn.	Nov. 22
Dec. 5	St. Louis, Mo.	Nov. 15
Dec. 5	Little Rock, Ark.	Nov. 22
Dec. 5	Baltimore, Md.	Nov. 22
Dec. 7	Tacoma, Wash.	Nov. 22
Dec. 7	Sturgis, Mich.	Nov. 29
Dec. 8	Buffalo, N. Y.	Nov. 29
Dec. 10	Mt. Vernon, O.	Nov. 29
Dec. 10	Indianapolis, Ind.	Nov. 15
Dec. 10	Ft. Worth, Tex.	Nov. 22
Dec. 10	New York, N. Y.	Nov. 22
Dec. 10	Richmond Hill (Jamaica P. O.), N. Y.	Nov. 22
Dec. 10	Brooklyn, N. Y.	Nov. 22
Dec. 11	Cedar Falls, Ia.	Nov. 22
Dec. 12	Grand Rapids, Mich.	Nov. 15
Dec. 15	Wichita, Kan.	Nov. 15
Dec. 15	Spearfish, S. D.	Nov. 29
Dec. 17	Camden, N. J. Adv. Nov. 29.	Nov. 29
Dec. 17	Wash., D. C. Adv. Nov. 29.	Nov. 29
Dec. 18	Ironwood, Mich.	Nov. 15
Dec. 19	Falls City, Neb.	Nov. 22
Dec. 20	Sioux City, Ia.	Nov. 15
Dec. 20	Duluth, Minn.	Nov. 29
Dec. 21	New Orleans, La.	Nov. 29
Dec. 21	Charleston, W. Va.	Nov. 15
Dec. 21	East Boston (Boston P. O.), Mass.	Nov. 29
Dec. 22	Newport, Ind.	Nov. 29
Dec. 28	Morgantown, W. Va.	Nov. 15
Jan. 1	Williamson, W. Va.	Nov. 22
Jan. 2	Bloomington, Ind.	Nov. 15
Jan. 12	Boston, Mass.	Nov. 29
Jan. 14	Galveston, Tex.	Nov. 29
Feb. 1	Dorchester, Mass.	Nov. 29

FEDERAL GOVERNMENT WORK

Dec. 3	Cement—Florence, Ala.	Nov. 29
Dec. 3	Barge and Hull—New Orleans, La.	Nov. 8
Dec. 4	Dredging—Phila., Pa.	Nov. 15
Dec. 5	Post Office — Marianna, Ark.	Nov. 8
Dec. 7	Well—Oklahoma City, Okla.	Nov. 22
Dec. 7	Post Office—Ripon, Wis.	Nov. 22
Dec. 7	Post Office—South Bend, Ind.	Nov. 22
Dec. 10	Towboat—Montgomery, Ala.	Nov. 8
Dec. 10	Maneuver Boat, etc.—Huntington, W. Va. Adv. Nov. 15 to 29.	Nov. 15
Dec. 10	Remodeling — Allentown, Pa.	Nov. 15
Dec. 14	Dredging, etc.—New York, N. Y. Adv. Nov. 15 to 29.	Nov. 15
Dec. 15	Operating Machinery—Louisville, Ky. Adv. Nov. 22 and 29.	Nov. 22
Dec. 17	Bridge—Seattle, Wash.	Nov. 29
Dec. 19	Dredging — Wilmington, N. C. Adv. Nov. 22 and 29.	Nov. 22
Dec. 19	Generator, Motor, etc.—Huntington, W. Va.	Nov. 29
Dec. 19	Towboat—Memphis, Tenn. Adv. Nov. 22 and 29.	Nov. 22
Dec. 19	Bungalows—Wash., D. C.	Nov. 22
Dec. 22	Hospital—Livermore, Calif. Adv. Nov. 22 and 29.	Nov. 22
Jan. 30	Ward—Great Lakes, Ill.	Nov. 15

UNCLASSIFIED

Dec. 4	Dragline Machines—Greenville, Miss.	Nov. 1
Dec. 4	Test Borings—Phila., Pa.	Nov. 29
Dec. 20	Pavilions—New York, N. Y.	Nov. 29
Dec. 24	Heating and Ventilating Apparatus—Cincinnati, O.	Nov. 29
Jan. 3	Aluminum Steel Cored Cable, etc.—Melbourne, Australia	Nov. 1
Jan. 19	Transformers, etc.—Melbourne, Australia	Oct. 18
Feb. 28	Headworks — Wellington, New Zealand	May 24
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia.	Nov. 1

MATERIALS AND EQUIPMENT

Dec. 3	Lumber—Atlantic, Ia.	Nov. 22
Dec. 3	Bars, etc.—Mason City, Ia.	Nov. 29
Dec. 3	Highway Materials, etc.—New York, N. Y.	Nov. 29
Dec. 3	Steel—New York, N. Y.	Nov. 29
Dec. 4	Wire and Cable—Austin, Minn.	Nov. 29
Dec. 4	Material for Bridge Repairs, etc.—Phila., Pa.	Nov. 29
Dec. 4	Plank and Piling—Onawa, Ia.	Nov. 29
Dec. 5	Inorganic Dust—New York, N. Y.	Nov. 29
Dec. 5	Lumber—Marengo, Ia.	Nov. 29
Dec. 13	Pipe—Baton Rouge, La.	Nov. 22

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Ballston Spa—Voted $325,000 bonds Crook Brook Water supply, incl. reservoir, pipe lines, valve houses, etc., 1,800,000 gal. daily capacity. Noted Oct. 11.

N. Y., Southport (Elmira P. O.)—City of Elmira plans water system here. $20,000. Will mature in spring. Engineer not announced.

N. J., Clifton—Passaic Valley Sewerage Comrs., 900 Chamber of Commerce Bldg., 24 Branford Pl., Newark, reject bids Nov. 13, pumping machinery and equipment for Yanctacaw pumping station, here. Noted Nov. 1.

N. C., Chimney Rock—See "Unclassified."

Miss., Clarksdale — See "Excavation, Drainage, Irrigation."

Tenn., Union City—Voted $125,000 bonds extensions to water plant, electric light plant and sewerage system. Noted Sept. 13.

O., Fostoria—Takes bids after Jan. 1, two 150 hp. boilers and appurtenances, 3 m.g.p.d. crank and fly wheel pumping engine. $50,000. G. Champe, Nasby Bldg., Toledo, engr.

O., Marietta—Plans elevated tank, booster station and 1½ mi. mains. $30,000. C. A. Stone, city engr.

O., Toledo—Takes bids about Jan. 1, new intake, shore well and addition to present crib (intake) at Low Service Pumping Plant. $60,000. W. G. Clark, 1046 Spitzer Bldg., engr.

Ill., Orland — Making preliminary plans waterworks pumping plant, tower, distribution mains, etc. $25,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Wis., De Pere — Making plans reaming and casing 3 wells, reaming holes to 10 in. diam. and casing with 8 in. w.i. pipe, 2 air lift pumps, 1 centrifugal pump, etc. $20,000. W. G. Kirchoffer, Dean Bldg., Madison, engr.

O., Barberton—Council approved $779,687 bond issue for 600 m.g. reservoir covering 600 acres, waters will be stored up by 400 ft. dam, 200 ft. wide, 30 ft. high, etc., in Wolf Creek Valley. Spillway 150 ft. wide, will be feature of dam. Total cost $1,000,000. Noted Oct. 25.

Ind., Farmersburg — Plans new waterworks with electrically operated pumps, etc. $40,000.

Minn., Little Falls—Voted $100,000 bonds for waterworks improvements. May buy privately owned system, remodel and extend same. Address City Engineer.

Mo., Cameron—Making preliminary plans waterworks and light improvements. $15,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, engrs.

Mo., La Plata—Plans election in spring to vote on $90,000 bonds water works improvements and sewerage system.

Tex., Corsicana—Rejected bids equipment for 2 m.g. filter plant. Will readvertise soon. W. W. McClendon, city engr.

Tex., Corsicana—Soon takes bids concrete spillway for Lake Halbert, 1,800 cu. yd. concrete and 2,000 lb. reinforcing steel. W. W. McClendon, city engr.

Tex., Crosbyton—Voted $22,000 bonds, mains and equipment. Baker & Von Zuben, Ellison Bldg., Ft. Worth, engrs.

Tex., Lone Oak—See "Streets and Roads."

Tex., Malone—Dec. 4, to vote on $40,000 bonds, complete plant and mains. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Okla., Oklahoma City—Election Nov. 30, to vote on $1,400,000 bonds for 350 ft. extension to main dam, emergency control works, flood gates, larger by pass and riprap of banks. B. M. Hart, City Hall, engr.

Mo., Boonville — Plans to purchase 350 g.p.m. motor driven pump for waterworks. C. H. Miller, city clk.

Calif., Bakersfield—See "Dams."

Calif., Manteca—See "Excavation, Drainage, Irrigation."

Calif., Santa Barbara—Montecito Co. Water Dist. having plans prepared 6,000 ft. 7 x 8 ft. tunnel through Santa Ynez Mountain at Toro Canyon, also concrete dam 135

Waterworks (Continued)

ft. high, 300 ft. long on top, 50 ft. at bottom. Leeds & Barnard, Central Bldg., Los Angeles, engrs.

Calif., Smartsville—Excelsior Water & Power Co. plans multiple arch concrete dam on Deer Creek, 100 to 166 ft. high. Penstock and power house will be built by day labor.

Ont., Neustadt—Plans waterworks system. $50,000. Securing estimates.

BIDS DESIRED

N. Y., Buffalo—Dec. 4, by Commissioner of Pub. Wks., Municipal Bldg., 63½ tons standard and special 10, 12, 16 and 24 in. pipe castings for filter plant. To exceed $5,000. G. C. Andrews, Col. Ward Pumping Station, engr.

Pa., Erie—Taking bids 20 m.g. triple expansion high duty pumping engine. G. Gensheimer, secy. and treas. of Comrs. of Waterworks.

Pa., Erie — Dec. 19, by Comrs. Water Works, Water Works Office, 8 m.g. addition to filters. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, engrs.; adv. E. N.-R. Nov. 29.

Ky., Elizabethtown—Dec. 17, by Mayor and City Council, waterworks improvements; adv. E. N.-R. Nov. 29.

Ind., Evansville—Nov. 30, by Bd. Waterworks Trustees, 10,000 ft. 2 in. and 15,000 ft. 1 in. w.i. galvanized pipe.

Ill., Chicago Heights—Dec. 3, by Bd. Local Impvts., c.i. mains in Halsted St., etc. W. J. Sadler, secy.; adv. E. N.-R. Nov. 29.

Wis., Athens—Dec. 13, by C. J. Hamilton, village clk., well reservoir, 50 ft. diam., 9 ft. deep rock excav., 30 ft. diam., 28 ft. deep, graduated to 12 ft. diam., 37 ft. deep. $15,000. W. G. Kirchoffer, Vroman Blk., Madison, engr.

Ia., Carlisle — Dec. 22, for waterworks. $22,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Nov. 15.

Ia., Washington—Dec. 14 by City Clerk, waterworks improvements, incl. brick building, electric driven pumps, piping and equipment, and 200,000 gal. elevated steel tank. A. L. Mullergren, 555 Gates Bldg., Kansas City, Mo., engrs. Noted Nov. 22.

Minn., Minneapolis—Dec. 5, by F. S. Gram, city purch. agt., 62,000 ft. 6 and 8 in. Class C, c.i. pipe, 16 ft. lengths, also 7,400 lin.ft. 12 and 16 in. Class B c.i. pipe, 12 ft. lengths, two hundred and twenty-five 6 in. gate valves, hub and Class C; thirty 8 in. gate valves hub end, Class C; twenty 12 in. gate valves, hub end, Class B; 120 hydrants, 120 tons special castings. J. A. Jensen superv. waterworks.

Minn., St. Paul—Dec. 4, by H. W. Austin, city purch. agt., furnishing and delivering 88,440 lin.ft. Class B c.i. water pipe and 19 tons c.i. specials. G. M. Shepard, city engr.

N. D., Fargo—Dec. 5, improving waterworks, 6 in. c.i. lateral mains, hydrants, etc. in North Fargo, $25,000. Stevenson, Miller & Luckey, Fargo, engrs.

Tex., Corsicana—City Com. taking bids 2 m.g. filter plant, $30,000, also concrete spillway at Lake Halbert, 1,800 cu.yd. concrete, etc. $25,000. W. W. McClendon, city engr.

Calif., Los Angeles—Dec. 3, by Supervs. Los Angeles Co., 2 unit water softener filter at county farm.

Calif., Pasadena—City Water Dept. receiving bids 12,000 ft. 4 in., 16,000 ft. 6 in., 16,000 ft. 8 in. and 4,000 ft. 12 in. c.i. mains for Green St.

Calif., Red Bluff—Dec. 3, for 2,500 ft. or more, 12 in. No. 10, riveted water pipe. E. F. Lennon, clk.

BIDS RECEIVED

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Nov. 23, mains in Kingshighway and Ave. P, from N. De Stefano, 257 Glenn Ave., Tompkinsville, $20,300; Aves. N and O, etc., from Grippo Contg. Co., 85 Webster Ave., Long Island City, $16,800; Ampere and Bayview Aves., etc., from Melrose Constr. Co., 103 East 125th St., New York, $15,500. Noted Nov. 15.

O., Cleveland—For 30 in. and 24 in. c.i. mains in Woodhill Fd., Contr. 32, Sects. N and S, from Winterbottom Connelly Co., 2997 Meadowbrook Blvd., Cleveland Heights, $126,690 and $117,645 respectively.

Wis., Hurley—Water purification plant and pumping station at Lake Lavina, from J. W. Hildred & Co., 721 Commerce Bldg., St. Paul, Minn., $35,200. Noted Nov. 8.

CONTRACTS AWARDED

N. J., Woodbury—C. S. Davis, city clk., c.i. pipe, to U. S. Cast Iron Pipe Co., 1421 Chestnut St., Phila., $35,987 castings, etc., to Rensselaer Valve Co., 50 Church St., New York City. Noted Nov. 1.

Pa., Bethlehem—Laying 6,700 lin.ft. c.i. pipe to F. H. Clement Co., Inc., Bethlehem, $2.15, pumping equipment and electrical work to Bethlehem Electric Co., Bethlehem, $14,673 and $4,354 respectively.

Miss., Moorehead — Water works plant, 100,000 gal. tank, 4, 6 and 8 in. pipe, two 500 g.p.m. pumps, to G. P. Sledge, Abbebille, La., $50,000. Noted Oct. 25.

O., Cleveland—Concrete tunnel to Fairmount Rd. for Baldwin-Fairmount Project, Contr. 43, 1,710 cu.yd. concrete, to P. F. Connolly, East 102nd St. near Euclid Ave., $140,000. Noted Nov. 15.

Wis., New Holstein — Drilling 800 ft. artesian well, 180 ft. 12 in., 390 ft. 10 in. and balance 8 in., to M. T. Peterson, 120 North Franklin St., Madison. Engrs. est. $15,000. Noted Nov. 22.

Minn., St. Cloud—City, 20 blocks mains, hydrants, valves, etc., to E. T. Webster, 1463 Goodrich Ave., St. Paul, $17,841. Noted Nov. 8.

Tex., Ft. Worth—For 8 m.g. centrifugal pump, to A. M. Lockett & Co., Magnolia Bldg., Dallas, $15,300.

Sewers

PROPOSED WORK

N. C., Chimney Rock—See "Unclassified."

Tenn., Union City—See "Waterworks."

O., Toledo — Voted $490,000 bonds completing intercepting sewerage system, constructing sewage pumping station and disposal plant. A. Jackson, City Bldg., dir. Pub. Serv.. Will mature in spring.

Ill., Rockdale (Joliet P. O.)—Plans 10,000 ft. 8-24 in. main and lateral sewers. $90,000. Will probably mature about Jan. 1. Engineer not selected. Address F. J. Gospodarie, mayor, D'Arcy Bldg., Joliet.

Minn., Willmar—City making plans complete sanitary and storm sewerage system, remodeling present system and install new treatment plant with pump, filter beds, etc. $100,000. Claussen & Carroll, 406 Metropolitan Bank Bldg., St. Paul, engrs.

Mo., La Plata—See "Waterworks."

Tex., Alvin—Making plans disposal plant and sewers. $25,000. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Tex., Cameron — Making plans disposal plant and sewers. $25,000. A. F. Mitchell, Cameron, engr.

Tex., Kerrville—Dec. 18, to vote on $78,000 bonds, complete disposal plant. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Calif., La Verne—City plans election to vote on $65,000 bond issue for sewerage system. Black & Veatch, Fay Bldg., Los Angeles, engrs.

Calif., Pismo Beach—City to vote on $35,500 bonds issue for disposal plant, 1,200 ft. c.i. out fall sewer and septic tank. Black & Veatch, Fay Bldg., Los Angeles, engrs.

Calif., South San Francisco—Dec. 3, to vote on $58,000 bond issue, sewers in San Bruno Rd. and portions of Butler Rd., etc. G. A. Kneese, c/o Courthouse, Redwood City, engr.

Calif., Whittier—To vote on $50,000 bond issue for completion of disposal plant. Black & Veatch, Fay Bldg., Los Angeles, engrs.

Ont., Hamilton—Election in January to vote on $890,000 bonds for sewage disposal and storm overflow system. W. L. McFaul, City Hall, engr.

BIDS DESIRED

N. Y., Brooklyn — Dec. 5, by E. Riegelmann, boro pres., Boro Hall, sewer basins in various locations of Kingshighway between Flatbush and Ocean Aves., Douglass St., Ave. N, and southwest corners of East 28th and East 29th Sts.; northwest, southwest and southeast corners of Riverdale Ave.; sewers in Ferris, 80th and East 28th Sts., Ft. Hamilton Parkway between 83rd and 84th Sts., Ft. Hamilton Parkway, east side, between Bay Ridge Ave. and 68th St., Ft. Hamilton Parkway, west side, between 72nd and 73rd Sts.

N. Y., Long Island City—Dec. 3, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Forest, 45th, 167th, 168th, 99th and 108th Sts., 134th St. from Wyoming to Liberty Aves., 134th St. from 101st to Liberty Aves.

Md., Baltimore—Dec. 5, by Bd. of Awards, 13,500 ft. of 6-48 in. sewers and drains, Sanitary Contr. 207. $60,000. B. L. Crozier, 2721 St. Paul St., engr.

N. C., Laurinburg — Dec. 18, by H. W. Malloy, mayor and Bd. Comrs., sanitary sewer extensions. W. E. Matthews, Laurinburg, engr.; adv. E. N.-R. Nov. 29.

BIDS RECEIVED

Ky., Louisville—Comrs. of Sewerage, constructing "Dry Run Relief Drain," 1,200 ft. of 9 ft. semi elliptical, 258 ft. of 8 ft. 6 in. semi elliptical and special structures, from H. Bickel Co., 413 West Garden St., $133,723. Noted Nov. 2.

Ill., Chicago — Chicago Sanitary Dist., 910 South Michigan Ave., for Calumet Intercepting Sewer, Contr. 1, and 95th St. Pumping Station, Divisions A, B, C, D, E, F and G, from T. J. Forschner Contg. Co., 125th St. and Michigan Ave., (with Division D from Sanitary Dist. of Chicago pump plans), $969,050; (with Division D from makers pump plans), $1,039,050. Noted Nov. 8.

Calif., Los Angeles—Furnishing 195,000 vitr. clay sewer lining blocks, Model B, for Sects. 4-8 inclusive, north outfall sewer, from Pacific Clay Products Co., Amer. Bank Bldg., $294 per M.; Tropico Potteries, Inc., Glendale, $294 per M.

CONTRACTS AWARDED

Conn., Meriden—Laying 8-20 in. sewers in Britannia, Hillcrest, Carpenter, Flower and Highland Aves., to L. Suzio Constr. Co., State St. Engrs. est. $33,000.

N. J., Trenton—Concrete sewer in Remsen St., also 8 in. drains in DeKlyn and Cortlandt Sts., to J. Cifelli, Fair St., $31,400.

O., Cleveland—Cuyahoga Co. 2,700 ft. 8-27 in. vitr. clay and 725 ft. 33 in. segmental block sewer in Snow Rd. Impvt. 39, to Duff & O. H. Champion, 1471 Arthur Ave., Lakewood, $38,386. Noted Nov. 15.

Wis., Milwaukee—Sewerage Comn., 508 Market St., East High Lever Sewer, Sect. 2. rein.-con. pipe, Cambridge and Brady Sts. to Cambridge and Concord Sts., to Hammen & Co., 516 Garfield Bldg., Detroit, Mich., $575,187. Noted Oct. 25.

Mo., University (St. Louis, P. O.) — C. Crane Wilmore Corp., Boatmens Bank, St. Louis, about 4,000 ft. 8-36 in. storm and sanitary sewers, etc., in University Hills subdivision, here, to Frazier-Davis Constr. Co., Arcade Bldg., St. Louis. Engrs. est. $35,000. Noted Oct. 18.

Ark., Hot Springs—For 10,400 ft. 24 in. sewer, etc., to E. B. Mooney, 348 Valley St., $41,000.

Tex., Clarksville — Imhoff tank disposal plant and sewers, to Mitchell Constr. Co., Carter Bldg., Houston, $36,000. Noted Sept. 20.

Tex., Laredo—Storm sewer system, precast mains and laterals, to Kirkwood & Wharton, 231 West Commerce St., San Antonio, $83,040. Noted Oct. 11.

Calif., Alhambra—For 52,956 lin.ft. 8 in. vitr. sewer, 1,491 house connections, etc., in Dists. 3 and 5, to Hickay & Harmon, 1501 Mission St., $62,387 and $74,385 respectively. Noted Nov. 8.

Calif., Pasadena—Plans to vote on $125,000 bonds for pipe line connections to new disposal plant.

Que., Montreal—Constructing 930 ft. 2 x 3 brick sewer and 2,100 ft. 12 in. tile sewer in Sherbrooke St. from Wurtels to Bourbonniere Sts., to C. Frascarell, 654 Berri St., $38,245. Noted Nov. 15.

Waste Disposal

BIDS DESIRED

Calif., Marysville — J. O. Wanzer, city mgr., taking bids garbage incinerator, Nye Odorless or equal.

Bridges

PROPOSED WORK

Fla., Lake Worth — See "Excavation, Drainage and Irrigation."

Ohio—See "Streets and Roads."

Ill., Centralia—City plans concrete and steel viaduct over Illinois Central and Chicago, Burington & Quincy R.R. tracks. City and railroads will share cost. Address A. Lender, mayor.

Bridges (Continued)

Minn., Mendota—Hennepin Co. (Minneapolis) having plans prepared and opens bids early in January, 4,100 ft. bridge, 110 ft. high, 45 ft. roadway, two 6 ft. sidewalks, over Minnesota River, here. Alternate designs on rein.-con. arch and on concrete piers, steel deck trusses and concrete deck, $1,570,000 and $1,400,000 respectively. W. H. Wheeler & C. A. P. Turner, 1112 Metropolitan Life Bldg., Minneapolis, associated engrs. Noted May 31.

Ark., Jasper—Newton Co. making plans 5 concrete bridges. $82,000 appropriated.

Tex., Dallas—See "Streets and Roads."

Tex., Fairfield—See "Streets and Roads."

Tex., Houston—Harris Co. election Dec. 18, to vote on $750,000 bonds, bridge across ship channel near 79th St., also miscellaneous bridges and paving Washington Ave. Howe & Wise, co. engrs.

BIDS DESIRED

Delaware—Dec. 19, by State Hy. Dept., Dover, Seaford Bridge and roadway, Contr. 42-B; adv. E. N.-R. Nov. 29.

Miss., Grenada—See "Streets and Roads."

Ohio—See "Streets and Roads."

Ind., Indianapolis—Dec. 19, by Marion Co., rein.-con. bridge over Fall Creek on Delaware St., three 81 ft. spans. $206,000.

Tex., Palestine—See "Streets and Roads."

Tex., Richmond—Dec. 14, at office C. D. Myers, judge Fort Bend Co., state highway bridge over Brazos River; adv. E. N.-R. Nov. 29.

BIDS RECEIVED

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield. Nov. 22, following bridges, from J. R. Stevens Co., Monmouth, 3 concrete slab and 1 concrete substructure, on Route 2, Sect. 74-B, Lee Co., 711 cu.yd. concrete, $24,167; from Chernuss Constr. Co., Minneapolis, Minn., 1 steel superstructure Route 2, Sect 74C, Lee Co., $7,027; from G. C. Fairclo Paxton, 1 concrete girder, Route 3, Sect. 40-B, McDonough, $11,197; from C. T. Laird, Pittsfield, 2 concrete girders Route 36, Sect. 18-B, Pike Co., $13,351; from Whitewater Bridge Co., Whitewater, Wis., 1 concrete overhead bridge Route 37, Sect. 13 C, Williamson Co., $13,516. Noted Nov. 15.

Tex., Jefferson—See "Streets and Roads."

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., 100 ft. concrete slab with 577 ft. bituminous macadam approach, over Thomas River in Middleboro and Bridgewater, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $152,576; one span bridge 75 ft. long, 26 ft. wide, with 950 lin.ft. bituminous macadam approaches, in Bernardston, to C. I. Hosen, Turners Falls, $38,377.

S. C., Walhalla—See "Streets and Roads."

Fla., West Palm Beach—Palm Beach Co., steel draw bridge and approaches over St. Lucie Canal, Loop Rd., 260 ft. long, to Champion Bridge Co., Fort Lauderdale, $38,942.

Kentucky—State Hy. Dept., Frankfort, 162 ft. steel span over Red River, Federal Aid Project 108, Powell Co., to Brooksville Bridge Co., Brooksville, O., $39,267. Noted Aug. 23.

Ohio—See "Streets and Roads."

Ia., Spencer—Clay Co., 1 pony truss, to Parsons, Meyer Constr. Co., Dyersville, $7,900; 1 high truss, to Humphrey & Sons, Cherokee, $18,752; 1 high anl 1 pony truss, to E. Landsman, Everly, $22,550. Noted Nov. 1.

Calif., Salinas — Monterey Co., 712 ft. bridge, 21 ft. wide, near Hilltown, to J. G. Williams Constr. Co., 519 California St., San Francisco, $32,437; furnishing and delivering 500 ton steel for same, to Judson Mfg. Co., 817 Folsom St., San Francisco, $42,440. Noted Nov. 15.

Dams

PROPOSED WORK

N. C., Chimney Rock—See "Unclassified."

Okla., Oklahoma City—See "Waterworks."

Calif., Bakersfield—Kern River Water Storage Dist. plans to acquire existing canals and irrigation facilities and construct dam on Kern River, install pumping plants, and building new canals, etc. $15,000,000. Engineer not selected.

Calif., Santa Barbara—See "Waterworks."

Calif., Smartsville—See "Waterworks."

BIDS DESIRED

Calif., Los Angeles—Jan. 7, by Los Angeles Co., core and test drilling to determine foundations at site of proposed flood control dam in San Gabriel Canyon for Los Angeles Co. Flood Control Dist. County appropriated $50,000 to conduct investigations for project which includes dam, ultimately 425 ft. high, 1,800 ft. long on top, 420 ft. thick at base, requiring approximately 2,000,000 cu.yd. concrete, 20 balance valves and variable head power plant. $20,000,000. J. W. Reagan, ch. engr.

CONTRACTS AWARDED

Tenn., Shelbyville—Pub. Light and Power Co., 18 ft. concrete dam about 300 ft. long to develop 750 hp., also power house, to Foster, Creighton & Co., 4th and 1st Bldg., Nashville. Est. cost $80,000.

Railways

PROPOSED WORK

North Carolina—Southern Ry., 13th St. and Pennsylvania Ave., Wash., D. C., plans enlargement of yards at Asheville, N. C. and Knoxville, Tenn. Making surveys for double tracking line from Asheville to Leadville.

Indiana—See "Industrial Works" under Evansville.

CONTRACTS AWARDED

Minnesota—Duluth-Superior Traction Co., 2631 West Superior St., Duluth, will extend railway from Kenwood Ave. and 14th St. to St. Marie St., by day labor. Work includes 1½ mi. double standard steel 90 lb. rails. $68,000. H. Warren, mgr.

Texas—U. S. Gypsum Corp., Sweetwater, 3 mi. trackage and plant site grading at Sweetwater, to List & Gifford, North Texas Bldg., Dallas, $200,000. Total cost of plant $1,000,000.

Excavation, Drainage and Irrigation

PROPOSED WORK

N. C., Columbia — D. D. 1, Tyrrell Co. plans cleaning out old canal, constructing new ones, clearing right of way, etc. on several projects. $50,000. J. G. Brickhouse, chn. Bd. Drainage Comrs.

Fla., Lake Worth—South Lake Worth Inlet Dist. Com. election Dec. 11, to vote on $125,000 bond issue, to connect Lake Worth with Ocean at point 1½ mi. north of Boynton Beach, will be 100 ft. wide, also plans to extend Ocean Blvd. over canal on rainbow arch bridge, 24 ft. driveway, 5 ft. walk on each side.

Fla., Tampa—Dover D. D., Hillsborough Co., Giddius Bldg., had plans prepared for system to drain 11,340 acres, 630,000 cu.ft. excav. $171,988. McElroy Eng. Co., Giddius Bldg., engrs.

Miss., Clarksdale—Burkes Landing D. D., c/o Supervs. Coahoma Co., Court House, soon takes bids drainage ditches and pumping plant. $25,000.

Ia., Newton—Jasper Co. plans drainage work along Skunk River. $100,000. Engineer not selected.

Calif., Bakersfield—See "Dams."

Calif., Manteca—South San Joaquin Irrigation Dist. plans to purchase two 1,000 g.p.m. and two 750 g.p.m. centrifugal pumping plants. G. W. Parker, supt.

Calif., Williams — Williams Irrigation Dist. plans to vote on $115,000 bonds for canals, etc.

BIDS DESIRED

Fla., Tampa—Interstate Investment Co., Citizens Bank Bldg., taking bids dredging 130,000 cu.yd. rock and sand in Tampa Harbor. To exceed $25,000.

Calif., Knights Landing (Grafton P. O.) —F. H. Tibbetts, engr., Alaska Commercial Bldg., San Francisco, receiving bids constructing irrigation and drainage ditches, 7,500 ft. Lateral 2, 5,800 cu.yd. earth work; 4,600 ft. upper main canal, 7,875 cu.yd. earth work; 5,100 ft. lower main canal, 2,350 cu.yd. excav.; 1,400 ft. drain H, 1,575 cu.yd. excav.; 10,000 ft. main drainage canal to be cleaned, etc., for Meek Estate, c/o engineer.

BIDS RECEIVED

Ark., Jonesboro—D. D. 25, Craighead Co., 560,000 cu.yd. earth by floating dredge and 218,000 cu.yd. by drag line of Bay City machine, to McWilliams Dredging Corp., Exch. Bldg., Memphis, Tenn., $0.9785 per cu.yd. Noted Nov. 8.

Nev., Lovelock—Lovelock Valley D. D. 1, 336,495 cu.yd. excav., etc., for drainage canals, from Union Constr. Co., Ogden, Utah, $0.1375. Noted Oct. 25.

CONTRACTS AWARDED

Ark., Walnut Ridge—Beaver Dam Duck Pond D. D. 236,000 cu.yd. drainage ditches, to W. M. Steinagle, Walnut Ridge, $0.115 per cu.yd.

Calif., Oroville—Directors Thermalito Irrigation Dist., constructing Lake Wilenor storage work (known as Concow Dam), to S. J. Greaves, Oroville, $23,543. Noted Nov. 1.

Ont., Trent River—Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, 35,000 cu.yd. rock excav. in tailrace of power development at Dam 9, to Lumsden Eng. & Transport Co., 6 Adelaide St. E., Toronto, $75,000.

Streets and Roads

PROPOSED WORK

Connecticut—State Hy. Dept., Hartford, plans paving with waterbound macadam, 11,450 sq.yd. highway in Groton, 24,660 sq.yd. in Southbury, 13,700 sq.yd. Arlington Rd. in Pomefret and 42,000 sq.yd. in Sharon; concrete paving 10,130 cu.yd. in Kent, 5,700 cu.yd. in East Lyme, 8,500 cu.yd. in Waterford, and 38,000 sq.yd. in Old Lyme. J. A. MacDonald, state highway comr.

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, received no bids Nov. 21, repaving Concord St., grade 1 granite. Noted Nov. 15.

Pa., Ebensburg—Comrs. Cambria Co., open bids about Dec. 21, constructing 12,244 ft. brick or concrete highway on Menoher Pike, 18 ft. O. P. Thomas, Park Bldg., Johnstown, engr.

Pa., Erie—Plans to resurface and widen from 40 to 60 ft. 10th St. from State to Parade Sts., $27,000, widen from 56 to 64 ft. 12th St. from French to Holland Sts., $40,000, resurface with sheet asphalt 16th St. from State to Parade Sts., $25,000, and 10th St. from Parade to East Aves. $40,000. F. G. Lynch, city engr.

Pa., Lewistown—Comrs. Mifflin Co. take bids after Jan. 1, constructing 2 mi. brick or concrete highways in Armaugh, Menno and Oliver Twps. $75,000. J. B. Long, Lewistown, engr.

Pa., Nanty-Glo—Comrs. Cambria Co. (Ebensburg) plan paving 2,727 ft. 2nd St., here, brick on concrete, 18 and 26 ft. County to pay $25,000 of cost, Boro. and Twp. balance. C. C. Hauth, Trust Bldg., Ebensburg, engr.

Maryland—State Rds. Comn., Baltimore, rejected bids paving 2.37 mi. Park Heights Ave., BC-41, 60,000 sq.yd. bituminous macadam on concrete. Noted Nov. 22.

N. C., Chimney Rock—See "Unclassified."

Fla., Jacksonville—Plans to pave Riverside Ave., 2 in. asphalt, Schofield St., 6 in. concrete, 15th and 18th Sts., 6 in. lime rock, $25,500, also Broad St., vitr. brick, Simmons and South Goodwin Sts., 6 in. concrete, $28,000. W. E. Sheddon, city engr.

Fla., Key West—Monroe Co. voted $149,000 bonds for roads, bridges, etc., between here and mainland in Dade Co., also $151,000 bonds for roads and bridges on Stock Island near here, and between here and mainland. B. C. Moreno, co. engr.

Fla., Madison—Dec. 11, to vote on $60,000 bonds to pave various streets. C. S. Wadsworth, Madison, will probably be engr.

La., New Orleans—Plans to expend $840,000 for 1924 paving program. W. G. Black, comr. Dept. Pub. Property.

Tenn., Clarksville—Voted $75,000 bonds street improvements.

Tenn., Columbia—Maury Co. voted $492,000 bonds improving 192 mi. of county, state and federal aid roads. Noted Oct. 25.

Kentucky—State Hy. Dept., Frankfort, plans grading 3 mi. Harlan-Loyal Rd., 24 and 28 ft. State Project 6, Harlan Co. J. S. Boggs, state highway engr.

Ky., Hickman—Voted $30,000 bonds to pave streets.

Ohio — The sum of $6,125,325 will become available for improvement of county and township roads in following counties within next few years: Athens Co. $90,000, Carroll Co. $47,330, Harrison Co. $56,245

Streets and Roads (Continued)

Hocking Co. $59,130, Jefferson Co. $224,600, Lucas Co. $535,000, Montgomery Co. $315,400, Pike Co. $31,600, Portage Co. $67,800.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids grading, bridging and paving 2.939 mi. Sect. "S" New Lexington-Athens Rd., Perry Co., and 2.554 mi. Sect. "B" Marietta-Athens Rd., Athens Co. A. V. Donaheys, dir. highways. Noted Nov. 22.

O., Dayton—Preparing estimates paving Harvard Blvd., Cornell Dr., Ridge, Cambridge, Victor, Linda Vista, Ferndale, Redfern, Staley, Norman and Home Aves., East 3rd, South Orchard, Quitman and Albany Sts., brick, concrete, asphalt and rolled gravel. J. B. Hale, city engr.

O., New Philadelphia — Tuscarawas Co. plans improving 3½ mi. Dennison Natl. Pike, 20 ft., macadam, $125,000; 1 mi. State St. in Newcomerstown, 40 ft., brick, $35,000; 5.4 mi. Uhrichsville-Gnadarhutten Rd., Rds. 352 and 341, all 20 ft., $205,000. State will appropriate toward cost.

O., Sandusky—C. W. Sadler, city mgr., takes bids in spring resurfacing Washington Row, Columbus and Tiffin Aves. $54,001. J. M. Eakin, city engr.

Ill., Mt. Vernon — Making preliminary plans grading and paving with concrete, asphaltic concrete or brick, 25,000 ft. various streets. Contract will probably be awarded in spring. $250,000. C. E. Wilson, Marion, engr.

Minn., Duluth—St. Louis Co. plans gravel surfacing in 1924 Hibbing-Miller trunk connection, Duluth part of Congdon Blvd., Thomson Hill-Worden St. connection, Gilbert-Miller Trunk connection, Ely-Finland Rd., State Rd. 1 north of Vermilion Lake, and connection of Fond-du-Lac-Wrenshall-Nickerson Rd., total $522,000. The above will be paved with 18 ft. concrete during 1925. R. W. Acton, co. engr.

Minn., St. Paul—Ramsey Co. having revised plans prepared grading, etc., Project 23-60, Prescott Connection between Point Douglas Rd. and Minnesota Trunk Highway 3. $50,000. Former bids rejected. G. J. Ries, co. aud. Noted Sept. 20.

Kan., Hutchinson—Soon takes bids grading and paving North Plum St. from 4th to 11th Sts., and West 30th St. from Main to Monroe Sts., 10,400 sq.yd. asphaltic concrete on 5 in. concrete. H. J. Haskard, City Hall, comr.

Kan., Smith Center—Plans paving 9,450 sq.yd. Main St., probably vitr. brick on concrete. $30,000 to $35,000. Engineer not named.

Kan., Topeka—Shawnee Co. takes bids soon concrete paving 3.898 mi., Federal Aid Project No. 177, Sect. C., 18 ft. A. C. Lagerwall, Topeka, engr.

Ark., Fayetteville—Making preliminary plans grading, paving, etc., South College Ave., East, Rock and Mountain Sts., concrete or asphaltic concrete. $27,000.

Ark., Ft. Smith—Plans resurfacing 30,000 sq.yd. School, South School and Prairie Sts., asphalt. W. L. Winters, 700 South 20th St., Ft. Smith, engr.

Ark., Pine Bluff — Making preliminary plans grading and concrete paving, etc., 11,000 ft. in Country Club Impvt. Dist., incl. Cherry, 26th, 27th, 36th and 44th Sts. and through Goldview Addition. $100,000.

Tex., Amarillo—Potter Co. plans surfacing 20 mi. road from Canyon to Amarillo. $200,000. O. Seward, co. engr.

Tex., Archer City—Archer Co. plans election to vote on $300,000 bonds highway improvements. E. M. Hooper, co. judge.

Tex., Colorado—Mitchell Co. plans election to vote on $1,000,000 bonds, construction Highway 1. F. F. Du Bose, co. engr.

Tex., Cuero—De Witt Co. election soon to vote on $133,000 bonds, improving 30 mi. highway from here to San Antonio. State and Federal Government to appropriate $266,000.

Tex., Dallas — Soon takes bids paving 125,000 sq.yd. Alamo, Cockrell, Colonial, 8th, Fitzhugh, 4th, Henderson, Madison, 9th, Oakland, Oram, 2nd, Waverly, Walter and Hord Sts., brick, asphaltic types both rock and artificial mixes. $450,000. E. A. Kingsley, city engr.

Tex., Dallas—Making plans bituminous paving 1¼ mi. Colorado Blvd., 100 ft. wide, also building several bridges over creeks, etc. $40,000-$50,000.

Tex., Desdemona—Making plans paving streets, various types. $30,000 bonds voted. L. Gresham, city engr.

Tex., El Paso—El Paso Co. voted $1,260,000 bonds hard surfacing various roads. State and Federal Government appropriated $440,000. L. A. White, co. engr. Noted Nov. 8.

Tex., Fairfield—Freestone Co. election Dec. 22, to vote on $1,000,000 bonds for road construction, also bridge over Navasoto River. F. Roper, co. judge.

Tex., Ft. Worth—Making plans paving East Magnolia St. near Hill Side Park, brick or bituminous types. $50,000. D. L. Lewis, city engr.

Tex., Gonzales — Gonzales Co. election Dec. 22, to vote on $125,000 bonds, highway improvements. State and Federal Government to appropriate $250,000.

Tex., Hebbronville—Jim Hogg Co. plans grading and surfacing with bituminous macadam 12 mi. State Highway 12, 18 ft. $60,000 bonds voted. State and Federal Government each to appropriate $60,000. A. M. Brumford, co. judge.

Tex., Houston—See "Bridges."

Tex., Jacksboro—Jack Co. voted $400,000 bonds grading and hard surfacing 70 mi. State Highways 25 and 39, 18 ft. State and Federal Government will appropriate $600,000. J. D. McComb, co. judge.

Tex., Lone Oak—Dec. 18, to vote on $50,000 bonds, paving and waterworks extensions. Address mayor.

Tex., McAllen—Attorney Generals Dept., Austin, approved $30,000 bond issue for street paving. Address F. B. Freeland, mayor. Noted Aug. 9.

Tex., New Braunfels—Comal Co. plans election to vote on $200,000 bonds highway improvement between here and Seguin. J. H. Caldwell, co. engr.

Tex., Palo Pinto—Palo Pinto Co. making plans grading and surfacing with bituminous macadam 5 mi. State Highway 1, 18 ft. $110,000. G. W. Courter, co. engr.

Tex., Sonora—Sutton Co. making plans grading 20.1 mi. and gravel surfacing 17 mi. Old Spanish Trail Highway, 18 and 24 ft. $430,000. H. P. Stockton, co. engr.

Tex., Sinton—San Patricio Co. election Dec. 8, to vote on $25,000 bonds, additional highway improvements in Rd. Dist. 3. F. M. Percival, Rockport, co. engr.

Okla., Fairview—Major Co. having plans prepared grading and graveling 12 mi. road, 125,000 sq.yd. gravel, 80,000 cu.yd. earth and 6,000 cu.yd. rock excav. $60,000. F. G. Simmons, Capitol Bldg., Oklahoma City, engr.

Okla., Holdenville — Plans grading and paving 14 blocks Huckley, Oak, Plum and Cedar Sts., 15,000 sq.yd. concrete, 3,900 lin. ft. curbing, 3,900 lin.ft. gutter, 4,100 cu.yd. excav. $60,000. C. Edge, Holdenville, engr.

Okla., Norman—Plans grading and paving 18 blocks, 16,000 sq.yd. concrete, 4,600 lin.ft. curbing, 5,100 cu.yd. excav. $56,000. Packham & Sutton, 227 West Grand St., Oklahoma City, engrs.

Okla., Okmulgee—Plans paving 8 blocks Bryan and Belmont Sts., 8,400 sq.yd. vertical fibre brick, 4,800 lin.ft. curbing, 2,600 cu.yd. excav., $42,000; 7 blocks 9th St., 6,200 sq.yd. vertical fibre brick, 2,400 lin.ft. curbing, 2,400 lin.ft. gutter, 1,800 cu.yd. excav., $30,000. T. J. Embree, Okmulgee, engr.

Okla., Pauls Valley—Garvin Co. having surveys made grading and paving 2 highways, 35 mi. long, 18 ft. wide. $500,000. P. A. Little, Pauls Valley, engr.

Okla., Pawhuska — Plans grading and paving 24 blocks in Dist. 26, 28,000 sq.yd. concrete, etc. $90,000. J. M. Buckley, Pawhuska, engr.

Okla., Perry—Plans grading and paving 7 blocks E St., 8,600 sq.yd. concrete, 3,200 lin.ft. curbing, etc. $36,000. C. A. Woods, Stillwater, engr.

Okla., Sayre—Plans grading and paving 6 blocks Maple and 2nd Sts., 3,750 sq.yd. concrete, etc. $26,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr.

Okla., Tahlequah—Surveys being made concrete paving 9 blocks Cherokee St., 12,500 sq.yd. concrete, 4,500 lin.ft. curbing, 2,600 cu.yd. earth and 1,200 cu.yd. rock excav. $50,000. Benham Eng. Co., Gumble Bldg., Kansas City, Mo., engrs.

Okla., Wewoka — Seminole Co. having surveys made grading and paving 20 mi. highway, 200,000 sq.yd. gravel, 125,000 cu. yd. excav. $100,000. F. G. Simmons, Capitol Bldg., Oklahoma City, engr.

Nevada—State Hy. Dept., Carson City, plans gravel and concrete surfacing 3.3 mi. Federal Aid Project 87, Clark Co., $63,142.

California—State Hy. Dept., Sacramento, having plans prepared grading 12 mi. Truckee Canyon Project, Nevada and Sierras Counties, 20,000 to 30,000 yd. excav. per mile; grading 7.5 mi. Truckee Canyon Project from Truckee to state line, Nevada and Sierra Counties; 4.3 mi. concrete and 7 mi. gravel surface from Beiltane to Schellville, Sonoma Co. R. M. Morton, state highway engr.

California—State Hy. Dept., Sacramento, making plans gravel and concrete surfacing 4 mi. Schellville-Beltane Rd., 24 ft., Sonoma Co.; grading 7 mi. Truckee-Boca Rd., Nevada Co., approximately 50,000 cu.yd. excav., also 10 mi. road between Quail Lake and north boundary, Los Angeles Co. R. M. Morton, state highway engr.

Calif., Fresno—Plans to widen Belmont Ave. between Glenn and Forthcamp Sts. $25,000. W. Stranahan, city engr.

Calif., Los Angeles—Dec. 15, to vote on $450,000 bonds for 10 mi. street paving in Westgate Dist. R. Dominguez, city clk.

Calif., Los Angeles—Appropriated $100,000 for street replacement work. J. A. Griffin, city engr.

Calif., Oakland — Had plans prepared grading and 6 in. concrete paving Castro St. between 1st and 7ts Sts., 62,936 sq.ft. grading, 60,317 sq.ft. 6 in. concrete base with 2 in. warrenite bitulithic surface, 2,054 lin.ft. concrete curb without guard, etc. W. W. Harmon, city engr.

Calif., San Diego—Plans improving A, B, 29th, Ash, Dale, Granda and Grape Sts., 55,176 sq.yd. 2½ in. asphaltic concrete base and 1½ in. asphaltic wearing surface, 21,610 sq.ft. cement sidewalk, 4,564 lin.ft. curb, etc.; Union, Brant and Curlew Sts., 19,516 sq.yd. 2½ in. asphaltic concrete base and 1½ in. sheet asphalt wearing surface, 5,809 sq.ft. sidewalk, 1,190 lin.ft. cement curb, etc.; Fern St., 14,350 sq.yd. 4 in. cement base and 1½ in. sheet asphalt wearing surface. F. A. Rhodes, city engr.

Ont., Toronto—Plans to grade Norway Ave. $175,000, Wetherell Ave. $1,340, Glengarry Ave. $2,000, Main St. $14,300, Weller St. $10,030, Beaufort Rd. $15,800, Danforth Ave. $1,350 and lane near Willow Ave. $31,000; grading and extending Lascelles Blvd. $6,750; concrete curbs on Simpson Ave. $650; concrete sidewalks on East Lynne Ave. $1,400, Gledhill Ave. $665, Elmer Ave. $750, Indian Valley Crescent $530; pavement, (probably asphalt) on 8th Ave. $14,400, Simpson Ave. $12,400. R. C. Harris, city engr.

BIDS DESIRED

N. Y., East Aurora—Dec. 17, by Bd. Village Trustees, 1 Church St., curbing, storm drains and paving North Grove St., Whaley, Fillmore and Oakwood Aves. G. C. Diehl, 577 Ellicott Sq., Buffalo, civil engr.; adv. E. N.-R. Nov. 29.

N. Y., Brooklyn — Dec. 5, by E. Riegelmann, boro pres., Boro Hall, paving and repaving Glenwood Rd. and 87th St., asphalt on concrete.

N. Y., Long Island City—Dec. 3, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., curbing, laying sidewalks, etc., on Howland St.; sheet asphalt paving 90th Rd., 87th Ave., Howland, Darvall and 44th Sts.; grading, curbing and laying sidewalks on Darvall St., 87th Ave. and 90th Rd.; grading and regrading North Jane St.; grading, curbing, laying sidewalks and sheet asphalt paving for width of approximately 27 ft. centrally located in Rene Pl.; grading, curbing, laying sidewalks and sheet asphalt paving 85th Dr., 87th Rd. and 132nd St.

N. Y., Syracuse—Dec. 9, by Bd. Contr. & Supply, asphalt paving 29,195 yd. Clifton Pl., Amherst, Clairmonte, Fernwood, Glenwood, Parkside, Roosevelt and Westminster Aves., 25 ft., $194,080; 23,150 yd. Fellows Ave. and Kirkpatrick St., 27 ft., $142,440; 6,800 yd. Spring St., 27-36 ft., $55,040; asphalt resurfacing 11,290 yd. Westcott St., 34 ft., $89,410. T. H. Mather, city engr.

N. Y., Troy—Dec. 1, by Bd. Contr. & Supply, tearing up present block pavement, repairing base and repaving 0.92 mi. 2nd Ave., 56 ft., 11,000 lin.ft. granite curb, 32,000 sq.yd. granite block, 980 cu.yd. concrete. $42,000. M. F. Roche, City Hall, engr.

Pa., Ebensburg — Dec. 5, by Comrs. Cambria Co., 2.194 mi. Nicktown-Cover-Belsano Rd., Barr Twp. Hillside vitr. brick on concrete. C. E. Schlicher, Reilly Bldg., Spangler, engr.

Streets and Roads (Continued)

Pa, Wilkes-Barre—Dec. 4, by F. H. Gates, city clk., paving 2,300 ft. Dagobert, Beaumont, Hillard and Reichard Sts., asphalt, 24-30 ft., to exceed $25,000. B. K. Finch, city engr.

N. C., Fayetteville—Dec. 12, by Mayor and Bd. Aldermen improving 75,000 sq.yd. various streets asphalt on concrete with combination concrete curb and gutter, etc. W. C. Olson, Raleigh, engr.

Fla., Punta Gorda—Dec. 5, by J. T. Swinney, chn. Comrs. Charlotte Co., grading, etc., 10,885 mi. Project 564, Sect. of Rd. 5, 167,070 cu.yd. excav., 51,300 ft. untreated structural timber, 98,100 ft. treated structural timber, 5,104 lin.ft. untreated piles trestle. $60,000.

Ala., Tuscaloosa—City taking bids asphaltic concrete paving 8th St. and 14th Ave., 40 to 60 ft. wide. $42,000. W. H. Nicol, city engr.

Miss., Collins—Dec. 21, by Covington Co. at Court House, grading and graveling 2.708 mi. Federal Aid Project 165, 18 ft. $33,290. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Miss., Grenada—Dec. 17, by Grenada Co. at Court House, grading and bridging 6.264 mi. Federal Aid Project 147 A, 24 ft., 100 ft. steel span. $108,000. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Ohio — Dec. 11, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 15.3895 mi. roads in Cuyahoga, Marion, Medina, Montgomery, Pickaway, Stark and Summit Counties. A. V. Donaheys, dir. highways.

Ind., Indianapolis — Dec. 10, by L. K. Fessler, aud. Marion Co., grading and concrete paving 2.97 mi. Russell N. Edwards Rd. and Penn St., 20 ft. $114,750. J. J. Griffith, co. engr.

Ind., Marion—Dec. 4, by Grant Co., hard surfacing Arthur L. Ackley Rd., and Frank A. Barr Rd., in Center Twp., and Chester C. Mason Rd., Mill Twp. A. D. Hunt, aud.

Ind., Rushville—Dec. 18, (extended date) by Council, paving 10,000 sq.yd. Morgan St., $35,000-$60,000. A. L. Stewart, city engr. Noted Nov. 15.

Michigan—Dec. 6, by State Hy. Dept., Lansing, grading and surfacing 3.041 mi. State Trunk Line Rd. 13-44, St. Joseph Co., 7,171 cu.yd. excav., 32,070 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rogers, state comr.

Michigan—Dec. 7, by State Hy. Dept., Lansing, grading and surfacing 2.628 mi. Federal Aid Project 101, Sect. C, Van Buren Co., 31,411 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rogers, state comr. Noted Nov. 22.

Michigan—Dec. 10, by State Hy. Dept., Lansing, grading and surfacing 4.026 mi. Federal Aid Project 63, Sect. B, Bay Co., 44,603 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rogers, state comr. Noted Nov. 22.

Michigan—Dec. 12, by State Hy. Dept., Lansing, grading and surfacing 0.987 mi. Federal Aid Project 123, Sects. A and B, Cheboygan Co. 11,344 sq.yd. concrete, asphalt or bituminous concrete. F. F. Rogers, state comr. Noted Nov. 22.

Michigan—Dec. 18, by State Hy. Dept., Lansing, grading and surfacing 0.487 mi. State Trunk Line Rd. 46-24, Sandusky Co., 6,500 sqyd. asphalt, concrete or bituminous concrete. F. F. Rogers, state comr.

Ill., McLeansboro — Dec. 15, by G. B. Foote, mayor, grading and concrete paving 3,500 ft. various streets, 27 ft. $31,500. Caldwell Eng. Co., Jacksonville, engrs. Noted Nov. 15.

Ill., Wilmington—Dec. 1, by J. Hanrad, mayor, grading and concrete surfacing 6,500 ft. Bridge and Baltimore Sts. $65,722. H. A. Steffens, Joliet Natl. Bank Bldg., Joliet, engr.

Kan., Kansas City—Dec. 10, by O. K. Williamson, engr., Wyandotte Co., concrete or rock asphalt paving 11,000 yd. various roads. Noted Aug. 4.

Ark., Little Rock—Dec. 3, by W. Townsend, attorney Impvt. Dist. 360, Boyle Bldg., curbing, grading, constructing concrete base, etc., and 16,750 sq.yd. asphaltic wearing surface. $55,000. H. R. Carter, 313 Exch. Bldg., engr.

Mo., St. Louis—Dec. 26, by Bd. Pub. Serv., 208 City Hall, concrete curbing and refined asphalt paving 4,665 sq.yd. Magnolia, Pearl, North and South Magnolia Sts., $28,600; granite curbing anl refined asphalt paving 6,445 sq.yd. St. Louis Ave. and Dewey St., $43,920; refined asphalt resurfacing 3,130 sq.yd. Compton and Ray Sts., $13,440; granite curbing, refined asphalt or warrenite paving 11,945 sq.yd. Laclede and Kingsbury Sts., $75,120; granite curbing, refined asphalt or bitulithic paving 2,160 sq.yd. Keokuk St., $11,800; concrete curbing and asphaltic concrete paving 12,875 sq.yd. Smiley Ave., Henry, Lansdown and Marmaduke Sts., $76,320. W. W. Horner, city engr.

Tex., Angleton—Dec. 18, by J. T. Loggins, judge Brazoria Co. grading and bridging, etc. 5.06 mi. State Highway 19 A. Federal Aid Project 351-B 16 ft., $74,400; grading 7.85 mi. State Highway 19, Federal Aid Project 387, 16 ft., $97,833. Will shell surface, both projects at later date. E. N. Gustafson, co. engr.

Tex., Hallettsville — Dec. 29, by Comrs. Lavaca Co., grading, etc., 14.23 mi. highways, 94,000 cu.yd. earth and 800 cu.yd. rock excav., 40,000 cu.yd. earth borrow, etc. $175,000. W. K. Koetcher, co. engr.

Tex., Houston—Dec. 10, by Comrs. Harris Co. resurfacing Houston-Katy Rd. with gravel. $25,000. Howe & Wise, co. engrs.

Tex., McKinney — Dec. 11, by O. T. Murray, judge Collin Co. grading and rein.-con. paving 6.19 mi. State Highway 6, Federal Aid Project 402, 18 ft. $263,040. F. W. Cawthon, co. engr.

Tex., New Boston — Dec. 4, by J. B. Pirkey, judge Bowie Co., scarifying, reshouldering and surfacing with bituminous topping, etc., 3.63 mi. State Highway 5, 18 ft. $56,035. F. E. Hess, 310 Medical Arts Bldg., Dallas, engr. Noted Oct. 25.

Tex., Palestine—Dec. 10, by W. C. Quick, judge Anderson Co., grading, gravel surfacing and bridging 10.75 mi. Palestine-Brushy Rd., 16 ft. $50,000. E. W. Davis, co. engr.

Tex., Sierra Blanca — Dec. 19, by J. M. Walling, judge Hudspeth Co., grading and gravel surfacing 9.03 mi. State Highway 1, Federal Aid Project 399. $35,000. J. W. Carter, Courthouse, engr. Noted Sept. 6.

Okla., Fairfax—Dec. 4, by J. N. Fly, city clk., grading and paving 4th St. and Maple Ave., 3,800 lin.ft. concrete curbs and gutters, 12,500 sq.yd. vertical fibre brick, 5,000 cu.yd. excav. $82,500. V. V. Long & Co., 1300 Colcord St., Oklahoma City, engr.

Okla., Wewoka—Dec. 5, by D. R. Fraser, city clk., grading and paving 18 blocks Okfuskey, Mikosukey and Plum Sts., 27,450 sq.yd. vertical fibre brick, 8,600 lin.ft. curbing 6,000 cu.yd. excav. $149,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Nov. 22.

Calif., Fresno—Dec. 6, by City Council, 17,524 sq.ft. 4 in. asphaltic concrete base, 2 in. Warrenite bitulithic surface, 1,872 sq. ft. sidewalks, 18,980 sq.ft. grading, curbs, gutter, etc., on Divisadero St. W. Stranahan, city engr.

Quebec — Dec. 11, by J. L. Boulanger, deputy minister Dept. Rds., Quebec, 4,074 ft. oiled waterbound macadam on Laprairie-Lacolle Highway, 16 ft., St. Luke and St. John Parishes.

BIDS RECEIVED

N. Y., Brooklyn — E. Riegelmann, boro pres., Boro Hall, Nov. 21, asphalt paving Carroll and Crown Sts., from Borough Asphalt Paving Co., 1301 Metropolitan Ave., $7,108 and $11,415 respectively; Ave. D, from Brooklyn Alcatraz Asphalt Paving Co., 407 Hamilton Ave., $26,765; 14th St., from Uvalde Asphalt Paving Co., 1 Bway., New York, $71,430; Wilson Ave., from Sicilian Asphalt Paving Co., 41 Park Row, New York, $32,813; grading, curbing and flagging Ave. D, from C. Bennett Contg. Co., 414 Rutland Rd., $18,621. Noted Nov. 15.

N. Y., Buffalo—Dept. Parks & Buildings, City Hall, asphalt paving McKinley Parkway, from Rock Asphalt & Constr. Co., Morgan Bldg., $174,345.

Michigan — State Hy. Dept., Lansing, grading and surfacing (1) 0.582 mi. State Trunk Line Rd. 53-3, Sanilac Co., (2) 1.464 mi. State Trunk Line Rd. 38-7, Sanilac Co., (a) concrete, (b) asphalt, from Murray & Fremont, Bad Axe, (1a) $22,150, (2a) $59,051; Willite Road Constr. Co., 711 Union Trust Bldg., Detroit, (1b) $28,874 (2b) $78,201.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, Nov. 22, concrete paving **1-33 Saline means Route 1 Sect. 33, Saline Co.**, from Mautz & Oren, Effingham, 3.19 mi. 1-33 Saline, $69,074, 4.37 mi. 1-34 and 26.44 mi. 2-A, both Williamson-Johnson, Christian, Shelby and Fayette, $95,059 and $575,948 respectively; from C. E. Hamilton, Carbondale, 3.97 mi. 1-35 Johnson, $108,078, 5.87 mi. 1-36 Johnson, $184,155 and 4.14 mi. 1-37 Johnson, $116,700; from L. S. Kuhn, Lincoln, 6.3 mi. 2-63 Woodford, $131,137; from W. C. Meneely Co., Decatur, 32 mi. 2-B, Christian, Shelby and Fayette, $622,914; from E. J. Eiff Co., Quincy, 3.12 mi. 3-51 Greene, $77,824; from J. Kesl & Son, Edwardsville, 8.54 mi. 9-33 McDonough, $177,615 and 11.1 mi. 12-Comb I, Clay, $219,000; from Mathis Coal and Constr. Co., Davenport, Ia., 12.31 mi. 3-Comb E, Rock Island-Mercer, $242,008; from W. O'Neil Sons Co., Faribault, Minn., 2.12 mi. 3-22 Mercer, $51,271 and 7.17 mi. 3-23 Mercer, $174,017; from M. H. Lewis & Co., Hoopeston, 5.9 mi. 25-22 Douglas $134,544; from Simmons & Reed, Quincy, 14.72 mi. 3-Comb H, Randolph, $349,968; from W. D. Lonergon Constr. Co., New Madrid, Mo., 14.57 mi. 3-Comb J La Salle Co., $276,170; grading from E. P. Olson, 2901 Monterey St., St. Joseph, Mo., 21,284 cu.yd. 3-40A McDonough, $11,643 and 50,172 cu.yd. 3-41A McDonough, $29,841; from Cameron, Joyce & Co., Keokuk, Ia., 45,389 cu.yd. 3-42A Schuyler, $32,915 and 131,585 cu.yd. 36-18A Pike, $64,165; from J. B. Drew, Tampico, 82,466 cu.yd. 2-74A Lee, $40,552; from Powers-Thompson Constr. Co., Joliet, 54,796 cu.yd. 19, 24A Lake, $36,348. Noted Nov. 15.

Tex., Jefferson — Marion Co. grading, gravel and clay surfacing and bridging 14.8 mi. State Highway 49, Federal Aid Project 364, 1,067.35 cu.yd. concrete, 111,694 cu.yd. roadway, 70,549 cu.yd. borrow and 1,403 cu.yd. rock excav., 85,201 lb. reinforcing, 34,716 cu.yd. gravel and 6,754 cu.yd. clay, from Womack Constr. Co., Sherman, $108,419. Noted Oct. 11.

Calif., Sausalito — Grading, curbing and paving Princess St, etc., 2,500 cu.yd. excav., 790 cu.yd. concrete pavement, 165 cu.yd. concrete culvert, 380 cu.yd. rubble masonry, 500 sq.ft. concrete walk, 1,000 sq.ft. grout and rock gutters, etc., from McDonald Impvt. Co., 567 Pacific Bldg., San Francisco, $36,380.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, paving 6,600 ft. highway in Revere, 20 ft. and up, bituminous macadam, to M. McDonaugh, Swampscott, $72,319; 3,652 ft. in Swansea, 18 ft. and up, rein.-con., to J. McCormick, East Providence, R. I., $45,641; 13,878 ft. in Haverhill, 20 ft. and up, rein.-con., to L. C. Carchia, 308 Bellevue St., West Roxbury (Boston P. O.), $164,769. Noted Nov. 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing, flagging, reflagging anl granite block paving West 155th St., to Casper Helbock, Inc., Harlem River and 150th St., $100,555. Noted Nov. 22.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, repaving Richmond Turnpike, granite block, to C. Vanderbilt, Elizabeth St., West New Brighton, $27,630; paving Center and Moore Sts., concrete, also Gifford Lane, bituminous macadam, to J. Johnson Sons, 455 Bway., West New Brighton, $20,960 and $33,774 respectively. Noted Nov. 22.

N. C., Rutherfordton—Extending street paving, 8,000 sq.yd. concrete, to Geer-Wilson Contg. Co., Rutherfordton, $30,000.

N. C., Salisbury—Paving 30,000 sq.yd. various streets, sheet asphalt, warrenite bitulithic and asphaltic concrete, to R. G. Lassiter Co., Oxford, $124,000.

S. C., Batesburg—Paving 20,000 sq.yd. various streets, sheet asphalt, to Carolina Contg. Co., Spartanburg, $55,000.

S. C., Walhalla—Oconee Co. topsoil surfacing 6.4 mi. State Route 18, Federal Aid Project 225, to F. M. Deaver, Carlisle, $25,926; bridge work, to Southern Concrete Constr. Co., Anderson, S. C. $5,334. Noted Nov. 15.

Kentucky—State Hy. Dept., Frankfort, paving roads, **(F.A.P. means Federal Aid Project, S.P., State Project)** concrete paving 3.16 mi. Newport-Falmouth Rd., 18 ft., S.P. 21. Sect. B, Campbell Co., to E. E. Hine & Son, Harrison, $111,534, 10.098 mi. Newport-Falmouth Rd., 18 ft. S. P. 21, Sect. A, Campbell and Pendleton Counties, and 6.32 mi. Compton-Falmouth Rd., 18 ft., S. P. 62, Sect. C, Kenton Co., to Cynthiana Constr. Co., Cynthiana, $393,649 and $197,577 respectively; rock asphalt paving 722 ft. street in city of Somerset, S.P. 22, Sect. C, Pulaski Co., to Cash & Lynn, Stanford, $8,180; grading 2.6 mi. Bartinsville-Corbin

Streets and Roads (Continued)

Rd., 24 and 28 ft., F.A.P. 62, Sect. B, Knox Co., to Costello Bros., Henson Bldg., Nashville, Tenn., $65,457, 1.31 mi. Clay City-Winchester Rd., 24 and 28 ft., F.A.P. 108, Powell Co., to F. M. Schimfessel, Clay City, $4,217. Noted Nov. 8.

Ohio — Dept. Highways & Pub. Wks., Columbus, grading, bridging and paving 3.463 mi. Sect. "J-1" and 1.827 mi. Sect. "J-2" Twinsburg-Elyria Rd., Cuyahoga Co., rein.-con. and brick, to D. Aller, Findlay, $168,848 and $93,305 respectively, 3.02 mi. Sect. "C" Archbold-Defiance Rd., Defiance Co., bituminous macadam, asphalt, to A. C. Schmenck, Ottawa, $68,955, 3.396 mi. Sect. "C" Bryant-Ft. Wayne Rd., and 2.112 mi. Sect. "A" Haicksville-Auburn Rd., Defiance Co., rein.-con., to R. Doaust, Defiance, $90,910 and $51,599 respectively, 0.166 mi. Sect. "Leesburg North," 0.208 mi. Sect. "Leesburg South," and 0.173 mi. Sect. "Hillsboro" Hillsboro-Washington Rd., Highland Co., brick, to A. K. Grandle, Leesburg, $7,432, $10,532 and $8,453 respectively, 1.628 mi. Sect. "F" Ironton-Miller Rd., Lawrence Co., bituminous macadam, asphalt, to C. Mahl, Ironton, $55,335, 1.047 mi. Sect. "P" Ohio River Rd., Columbiana Co., brick and bituminous macadam, asphalt, to Tatgenhorst-McLaughlin, East Liverpool, $79,223; grading, etc. 4.867 mi. Sect. "Y" also paving 4.867 mi. Sect. "Y" Glendale-Milford Rd., Hamilton Co., plain concrete, to J. L. Radabaugh, Montgomery, $59,026 and $170,236 respectively, 2.78 mi. Sect. "M" Pomeroy-Marietta Rd., Meigs Co., to Foy-Nixon Co., Columbus, $35,557, 3.536 mi. Sect. "A-1" Dennison-Natl. Rd., Tuscarawas Co., to G. F. Druschel, Kenton, $46,124, 5.869 mi. Sect. "H" Marietta-Athens Rd., Washington Co., to Ada Constr. Co., Ada, $78,103, Sect. "B" and 0.336 mi. Sect. "Blakeslee" Bryan-Eldon Rd., Williams Co., to F. F. Walton, Upper Sandusky, $19,934 and $1,730 respectively; bridge on Sect. "A" Jackson-Gallipolis Rd., Jackson Co., to I. J. Kuhner, Jackson, $3,813. Noted Nov. 22.

O., Marion—To H. P. Streicher, Marion, improving with sheet asphalt 1 mi. Sect. 1 George St. $25,474, engrs. est. $30,000, 1¼ mi. Sect. 3 George St. $37,750, $40,000, ¾ to ¾ mi. Sect. 2 George St. $25,943, $27,500, Thew Ave. $28,182, $30,000, Wilson Ave. $28,440, $30,000, all 40 ft. wide.

Michigan—State Hy. Dept., Lansing, producing and stocking 40,000 cu.yd. concrete aggregates on Federal Aid Project 113, Sect. C, Kent Co., and grading 5 mi. State Trunk Line Rd. 39-9, Kent Co., 50,000 cu.yd. excav., to G. P. Schail, Muskegon, $60,636 and $30,000 respectively.

Michigan — State Hy. Dept., Lansing, grading and surfacing 5.148 mi. Federal Aid Project 57, Sect. D, Kent Co., to Hersey Gravel Co., Hersey, 58,110 cu.yd. excav. $0.55, 54,503 sq.yd. 8 in. rein.-con. pavement $1.53, total $134,776. Noted Nov. 1.

Minn., Red Wing—Goodhue Co., 5 mi. Job 2401, 93,553 cu.yd. excav., to J. J. and M. S. Mergens, 400 Temple Court, Minneapolis, $32,618, culverts, 478 cu.yd. concrete, to C. Palzer, Mazeppa, $8,844; 2 mi. Job 2302, 43,950 cu.yd. excav., one 200 ft. wooden pile and deck span bridge, to Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, $23,454. Noted Oct. 4.

Ark., Russellville—Grading and concrete surfacing 1 mi. in Russellville Rd. Impvt. Dist., to Western Constr. Co., Little Rock, $25,000.

Tex., Amarillo—Potter Co. grading and gravel surfacing 6.13 mi. Bushland Rd., State Highway 12, State Aid Project 430, 16 ft., to Hoffman Constr. Co., Eastland, $49,517. Engrs. est. $55,000. Noted Nov. 15.

Tex., Center—Hard surfacing various streets, to Brammer & Wilder, 308 Stewart Bldg., Houston, $2.65 per yd., total $122,847. Noted Oct. 4.

Tex., Clarksville—Red River Co. constructing Jim Hogg Highway, to McGuire & Cavender, Sherman, $25,446.

Tex., Dallas—Dallas Co. paving, etc., 12.7 mi. Richardson Rds., to Smith Bros. Inc., Sumpter Bldg., paving $1.10, concrete base $1.65, etc., total $530,000. Noted Oct. 25.

Tex., Ft. Worth—Paving, curbing and guttering, etc., 12,000 sq.yd. Virginia Pl., Western Ave., Terrell and North Houston Sts., to General Constr. Co., Cotton Exch. Bldg., $2.80 per sq.yd. for 1½ in. Uvalde on 5 in. base; 15,000 sq.yd. Tulsa Way, Lilac, Chambers, Tennessee, Tremont and Wabash Sts., to West Texas Constr. Co., Cotton Exch. Bldg., $3.18 per sq.yd. for 2 in. Warrenite bitulithic. Noted Nov. 22.

DAM—MERCED, CALIF.

Following are lowest three bids opened Nov. 8, by Merced Irrigation Dist., for constructing exchequer dam, (A) L. S. Atkinson, Jr., Chapman Bldg., Los Angeles; (B) Bent Bros., Inc., 1714 Eagle St., Los Angeles; (C) Twohy Bros. Co., Sharon Bldg., San Francisco, and P. Welch & Co., Seattle, Wash. The unit bids were as follows:

	A		B		C
	Form No. 1	Form No. 2	Form No. 1	Form No. 2	Form No. 2
6,000 cu.yd. common excavation	$3.00	$3.00	$4.00	$4.00	$5.00
35,000 cu.yd. rock excavation, foundations	5.00	5.00	4.00	4.00	5.00
15,000 cu.yd. rock excavation, spillways	4.00	4.00	4.00	4.00	5.00
310,000 cu.yd. concrete	4.50	2.80	5.00	2.90	3.20
60 cu.yd. pressure grout	60.00	60.00	50.00	50.00	60.00
1,000 lin.ft. drainage wells	5.00	5.00	6.00	6.00	5.00
2,000 lin.ft. grout holes	3.00	3.00	5.00	5.00	3.00
5,000 lin.ft. contraction seals	2.00	2.00	1.00	1.00	2.00
9,000 lin.ft. grout and miscellaneous imbedded pipes	60	60	.25	.25	.50
85,000 lb. reinforcing steel	.05	.05	.03	.03	.04
60,000 lb. structural steel and outside pipes	.05	.05	.05	.05	.05
5,000 sq.ft. coating for metal work	.10	.10	.10	.10	.05
8,000 sq.ft. coating for unlined waterways	.10	.10	.10	.10	.05
1,100,000 lb. setting valves gates and outlet lining	.03	.03	.03	.03	.04
Extended totals	$1,719,550	$1,192,550	$1,840,100	$1,189,100	$1,352,150

SUB-STRUCTURES—SAN FRANCISCO, CALIF.

Bids were opened by Bd. Pub. Wks., Oct. 17, for sub-structures for bridge across Dumbarton Straits, Hetch Hetchy Project, to carry water pipes on series of steel truss spans for part of distance and laying pipe as submerged lines in trenches in bottom of San Francisco Bay for remainder of distance, (A) Healy-Tibbitts Constr. Co., 64 Pine St. (awarded contract); (B) San Francisco Bridge Co., Nevada Bank Bldg. The unit bids were as follows:

	A	B
20,000 cu.yd. mud excavation, cylinder piers	$1.48	$5.00
140,000 ft. timber piles	.29	.34
2,350 piles to be driven	17.12	12.00
1,500 piles to be cut off	.84	.50
3,250 cu.yd. concrete placed under water by tremie	45.75	60.00
Concrete placed in forms, in the dry:		
Number of cu.yd. to be placed in piers total height of which fall between limits of- 1,250 cu.yd. 0 and 45 ft. (both inclusive)	47.82	48.00
2,200 cu.yd. 46 and 50 ft. (both inclusive)	54.16	53.00
3,350 cu.yd. 51 and 60 ft. (both inclusive)	59.88	58.00
800 cu.yd. 61 and 75 ft. (both inclusive)	66.23	71.00
600,000 lb. reinforcing steel	.05½	.07
10,000 lb. metal work furnished by city	.05	.10
8,250 cu.yd. mud excavation, caisson	1.48	5.00
60,000 ft. timber piles	.29	.34
850 piles to be driven	16.80	12.00
600 piles to be cut off	.84	.50
2,200 cu.yd. concrete placed under water by tremie	46.08	55.00
5,800 cu.yd. concrete placed in forms, dry	54.25	35.00
35,000 lb. reinforcing steel	.05½	.06½
75,000 lb. metal work furnished by city	.05	.10
Extended totals	$1,192,484	$1,248,175

Tex., Hillsboro—Hill Co., grading and gravel surfacing 5.65 mi. State Highway 2 E, 16 ft. in Itasca Dist., and 4.85 mi. State Highway 2 E. in Covington Dist., 16 ft., to Womack Constr. Co., Sherman, $31,515 and $30,483 respectively, 14,195 cu. yd. gravel $28,500 and 12,617 cu.yd. gravel $27,000 to be furnished by county on respective jobs, engrs. ests. $66,000 and $64,000 respectively. Noted Oct. 25.

Tex., Hondo — Medina Co. grading gravel surfacing and bituminous topping 1.56 State Highway 3, Federal Aid Project 270 B, and grading and gravel surfacing 2.65 mi. State Highway 3, Federal Aid Project 270 E, both 18 ft., to P. Schriewer, Seguin, $24,491 and $26,541 respectively. Noted Nov. 15.

Tex., McKinney—Collin Co. constructing 3 mi. road in Anna-Melossa Rd. Dist., macadam, to G. Stiff, Louisiana St., $25,000.

Tex., Tyler—Smith Co. grading and bridging 6.25 mi. State Highway 15, 233 cu.yd. concrete, 24,788 cu.yd. roadway and 32,230 cu.yd. borrow excav., 19,822 lb. reinforcing, etc., to Smith Co., c/o D. R. Pendleton, co. judge, Tyler, $23,676. Engrs. est. $26,043. Noted Oct. 18.

Okla., Holdenville—Grading and paving 6 blocks Hinckley Ave., 5,480 sq.yd. concrete, 3,800 lin.ft. curbing, 1,625 cu.yd. excav., to E. H. Locker, Okmulgee, $27,562. Noted Aug. 30.

Colo., Denver—Curbing, grading and surfacing 1 mi. North Denver Impvt. Dist. 33, ¼ mi. wide, to J. Collier, 63 South Logan St., $81,511. Engrs. est. $103,000. Noted Nov. 1.

Nevada—State Hy. Comn., Carson City, grading and gravel surfacing 11.81 mi. between Eastgate and East Co. Line (Carroll Summit), Federal Aid Project 56, 2-F, Contr. 93, Churchill Co., to F. Coolidge, Laramie, Wyo., $173,147; grading and building culverts on 3.35 mi. road from Lawton to point 2 mi. east of Verdi, Federal Aid Project 73, 1A-2, Contr. 94, Washoe Co., to C. Miles, 2500 L St., Sacramento, $74,695. Noted Nov. 22.

Wash., Tacoma—Pierce Co., paving 2.25 mi. Center St., 36½ ft., with 3½ in. warrenite on present hard gravel, to Warren Constr. Co., Perkins Bldg., $56,887. Engrs. est. $57,270.

California—State Hy. Comn., Sacramento, grading and surfacing with crushed gravel or broken stone 9.8 mi. between point 2 mi. south of Hornbrook and Oregon State Line, Siskiyou Co., to Dunn & Baker, Klamath Falls, Ore., $205,000. Engrs. est. $226,113. Noted Nov. 22.

Calif., Bakersfield—Kern Co., grading and paving Arvin and Weed Patch Rds., Impvt. Dist. 26, 38,400 cu.yd. excav., 890,724 sq.ft. 2 in. asphaltic concrete on 4 in. bituminous base, etc., to Griffith Co., 502 Los Angeles Ry. Bldg., Los Angeles, $238,000. Noted Nov. 1.

Calif., Fresno—City, 139,358 sq.ft. 6 in. concrete pavement, 161,496 sq.ft. grading and 18,247 sq.ft. walks, etc., Fresno Ave. between Belmont and Olive Sts., to W. F. Hanrahan, Brix Bldg. $43,199. Noted Nov. 15.

Calif., Glendale — Improving Alameda, Mountain and Glenwood Sts., 6,615 ft. curb, 6,346 sq.ft. gutter, 119,919 sq.ft. 5 in. oil macadam, etc., to F. R. Mosher, 118 South Kenwood St., $29,350 (approximately); Stanley Ave. and Verdugo Rd., 1,574 ft. curb, 2,990 sq.ft. gutter, 7,900 sq.ft. walk, 20,486 sq.ft. oil macadam, etc., to E. L. Fleming, 1018 East Howard St., $7,000; Railroad St., 18,117 sq.ft. 6 in. concrete, etc., to W. J. Curren, 379 West Patterson St., $6,256. Noted Nov. 1.

Calif., Los Angeles — Grading, curbing, paving, etc., portion of O'Farrell St., 160,223 sq.ft. asphalt pavement, to Griffith Co., Railway Bldg., $64,900.

Calif., Lynwood—Paving Agnes and Cedar Sts., etc., 4 in. macadam, to Hall-Johnson Co., Post Office Box 51, $92,260.

Calif., Porterville—Grading, curbing, paving, etc., Belleview Ave., 47,976 sq.ft. concrete paving, etc., to Griffith Co., Railway

Streets and Roads (Continued)

Bldg., Los Angeles, $11,764; Valentine and Hanrahan Sts., etc., 483,680 sq.ft. grading, 483,680 sq.ft. concrete paving, 14,925 lin.ft. concrete curb, 1,483 lin.ft. rein.-con. culvert, etc., to Valley Paving and Constr. Co., Visalia, $130,262. Noted Nov. 1.

Calif., Redwood City — San Mateo Co., improving various streets in Lomita Park, Rd. Dist. 2, 16,000 cu.yd. excav., 542,900 sq.ft., 4 in. concrete base with 1½ in. warrenite bitulithic surface, etc., to Municipal Impvt. Co., 306 12th St., $211,495. Noted Nov. 15.

Calif., San Diego—Improving Arizona St., 108,901 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete, etc., to G. R. Daley, 440 Boundary St., $29,905. Noted Sept. 20.

Calif., Santa Ana—City, paving with 5 in. concrete and belt finish surface, North Garnsey St. between West 6th and West 8th Sts., to Wells & Bressler, Santa Ana, $63,915. Noted May 3.

Calif., Visalia—Improving West Center and North Giddings Sts., etc., 4,631 cu.yd. grading, 212,757 sq.ft. 1½ in. warrenite bitulithic on 4 in. base, etc., to Valley Paving and Constr. Co., Visalia, $58,997. Noted Nov. 22.

Industrial Works

PROPOSED WORK

Mass., Taunton — City had plans prepared by Jackson & Moreland, engrs., 387 Washington St., Boston, and takes bids about Dec. 5, light and power plant, 15 x 18 ft. and 30 x 50 ft., brick. $225,000. Noted Sept. 13.

Conn., Hartford — J. Blumenthal, 22 Florence St., having plans prepared by Berenson & Moses, 30 Allyn St., 3 story, 50 x 75 ft. storage, rein.-con., brick and steel, plain foundation, Front St. $65,000.

Conn., New London—L. Lubchansky, 45 Howard St., having plans prepared by F. de Gange, 28 Ocean Ave., 3 story, 40 x 100 ft. storehouse, etc., brick, steel and tile, plain foundation, Howard St. $75,000.

Conn., Waterbury—Waterbury American Inc., Printers Court, soon takes bids 4 story, 50 x 60 ft., rein.-con. and brick plant, plain foundation, Printers Court. $165,000. Lockwood-Greene & Co., 101 Park Ave., New York City, archts. and engrs. Noted Nov. 24.

N. Y., Brooklyn—J. Strattman, c/o T. Goldstone, archt. and engr., 50 Graham Ave., having plans prepared rein.-con., brick and steel garage, plain foundation, 39th St. $100,000.

N. Y., Buffalo—Mitchell & Frank, 1021 Main St., had plans prepared 3 story, 54 x 77 ft., rein.-con. and brick mill, Woodlawn Ave. $75,000. Engineers and architects name withheld.

N. Y., Canandaigua—Roper Knitting Co. plans factory addition, 3,500 sq.ft. floor space, will mature in spring, $40,000; 2 story, brick and steel factory addition, 8,000 sq.ft. floor space, Main St., will mature in fall, $75,000. Private plans.

N. Y., Johnson City—Douglas Dickson Co., 343 Grand Ave., plans warehouse, Riverside Dr. W. $50,000. Address, W. T. Dixon, pres. Will mature in spring. Engineer and architect not selected.

N. Y., Oswego—Voted $350,000 bonds electric light and power plant. Will mature in spring.

N. Y., Troy—Troy Record Co. plans remodeling present building and erecting 3 story, 58 x 87 ft., brick and steel addition, plain foundation, Bway. $155,000. W. A. Gunn, Troy, archt. and engr.

Pa., Altoona—Penn Cress Ice Cream Co., Front St., plans 3 story and basement, 110 x 120 ft. brick and steel plant, power house and office, Beale Ave. and 28th St. $150,000.

Pa., Monaca — F. Cancillo plans warehouse to replace one recently destroyed by fire. $40,000. Engineer and architect not announced.

Pa., Williamsport — E. S. Bullock, 1st Natl. Bank Bldg., plans 2 story, 100 x 110 ft. box factory, Chestnut St. $100,000.

Pa., Williamsport—Mead & Goodrich, Inc., 350-370 West 3rd St., takes bids in spring 3 story and basement, 120 x 170 ft. concrete and steel garage, West 3rd St. $140,000.

Md., Amcelle (Cumberland P. O.)—Amer. Cellulose & Chemical Co., Ltd., 15 East 26th St., New York City, having plans prepared addition to plant, rein.-con. and brick, plain foundation, here. $500,000. Private plans.

Md., Baltimore—J. E. Moxley, Jr., archt., 20 East Lexington St., preparing plans 2 story, 120 x 150 ft. garage, show room and store building, brick and steel. $150,000. Owner's name withheld.

N. C., Raleigh—State College of Agriculture and Engineering making plans new power plant, boiler 1,000 hp., will also extend textile building 75 ft. J. E. Sirrine & Co., Greenville, S. C., engrs.

La., New Orleans—Parke-Davis & Co., Camp and Howard Sts., having plans prepared by M. H. Goldstein, Hibernia Bank Bldg., 105 x 125 ft. plant, in rear of present building.

O., Cleveland—J. E. Strator, 13003 Superior Ave., had plans prepared by H. P. Whitworth, Hickox Bldg., 2 story, 38 x 67 ft., brick, steel and concrete factory, Woodworth Rd. $40,000.

O., Cleveland—Villa Beach Club, c/o F. W. Bail, archt., Hanna Bldg., had plans prepared 2 story and basement, 62 x 98 ft., brick, steel and concrete garage, 15445 Lake Shore Blvd. $50,000.

O., Columbus—F. J. Heer Printing Co., 55 East Main St., 2 story and basement, 120 x 133 ft., rein.-con. and brick plant, 368-384 South 4th St., to Middle States Constr. Co., 524 East Hudson St., $123,500.

O., Sandusky—Lake Shore Electric Ry. Co., 129 Columbus Ave., plans electric power substation. $50,000.

O., Toledo—City plans garage and repair shop. $160,000. A. Jackson, City Bldg., dir. Pub. Serv. Engineer and architect not announced.

Ind., Evansville — Illinois Central R.R., 135 East 11th Pl., Chicago, plans addition to railroad shops and terminal yards at Harwood Yards, here. $750,000. F. L. Thompson, ch. engr.

Ind., Ft. Wayne—Schiefer Auto Co., 715 Barr St., having plans prepared by Pohlmeyer & Pohlmeyer, Central Bldg., 1 story, 60 x 150 ft. auto service station, brick. $75,000.

Ind., Ft. Wayne—Wayne Tank & Pump Co., Anthony Hotel, plans addition to plant. $50,000.

Ind., Indianapolis—Home Ice Co. plans 2 story and basement ice plant, rein.-con. and brick, concrete pile foundation. $40,000. Private plans.

Ind., Indianapolis—L. B. Millikan, Barton Hotel, plans 1 story, 97 x 107 ft. rein.-con., brick and steel garage, concrete pile foundation, Talbott and East 21st Sts. $50,000. Private plans.

Ind., Indiana Harbor—Youngstown Sheet & Tube Co., Stambaugh Bldg., Youngstown, O., plans blast furnace and mills, here. $4,000,000. J. A. Campbell, pres. Engineer and architect not announced.

Ind., Kokomo—Realty Co. having plans prepared by Vonnegut, Bohn & Mueller, 610 Indiana Trust Bldg., Indianapolis, 2 story and basement, 33 x 132 ft. garage, rein.-con. and brick. $60,000. E. Eberhardt, pres.

Ind., Kokomo—Standard Sanitary Mfg. Co. having plans prepared by Elmer E. Dunlap Co., 1125 North Buckeye St., 1 story, 100 x 580 ft., brick and steel addition to plant. $100,000.

Mich., Battle Creek—Rich Steel Products Co. having plans prepared 2 story, 80 x 131 ft. brick factory, plain foundation. $42,000. Private plans.

Ill., Chicago—J. K. Neede, archt., 2522 Aubert St., preparing plans 1 story brick and stone garage, North Clark St., $60,000. Owner's name withheld.

Ill., Chicago—Huszagh & Hill, archts., 72 West Washington St., preparing plans 1 story, 82 x 400 ft. garage, Wells St. near North Ave. $200,000. Owner's name withheld.

Ill., Chicago—See "Buildings."

Wis., Bowler—Bowler Lumber Co., c/o W. O. Baum, pres., having plans prepared rebuilding 1 story, 70 x 110 ft., saw mill, brick and timber, recently destroyed by fire. $40,000. Private plans.

Wis., Milwaukee—Eslein Sheet Metal Wks., 1001 30th St., soon takes bids 3 story, 60 x 120 ft., brick and timber factory, plain foundation. $60,000. C. F. Behnke, 327 34th St., archt.

Wis., Milwaukee—Hotel Wisconsin Realty Co., 182 3rd St., having plans prepared by Holabird & Roche, 104 South Michigan Ave., Chicago, 5 story service building, power house, laundry, etc., brick and concrete, plain foundation. $150,000-$200,000.

Wis., Milwaukee — Prime Mfg. Co., 653 Clinton St., plans 1 story, 60 x 120 ft. foundry. $50,000. F. D. Chase, Inc., 615 North Michigan St., Chicago, engr.

Minn., Minneapolis—Rent-A-Ford Co., 7th St. and 2nd Ave. S., having plans prepared by Ekman, Helm & Co., 302 Pheonix Bldg., 2 story and basement, 50 x 140 ft. rein.-con., brick, tile and stone garage, 902 1st Ave. N. $45,000.

Mo., Desloge—St. Louis Smelting & Refining Co., Internation Life Bldg., St. Louis, plans rebuilding crusher house, roll plant, power house, ore storage bins, conveyor houses, etc., recently destroyed by fire, here. $200,000. Private plans.

Mo., Springfield—Missouri Rubber Products Co. will build 100 x 300 ft., brick and steel factory, by day labor under supervision of E. E. Love, owners engrs. $500,000.

Tex., Amarillo—Plans prepared oil refinery and 17 mi. pipe line from Carson County. $500,000. Owner's name withheld. Address Secretary Chamber of Commerce.

Tex., Ft. Worth—F. H. Jones, 200 Commerce St., making plans 3 story, garage and storage building, brick and concrete, 1st and Commerce Sts. $100,000. Engineer and architect not announced.

Tex., Houston—Cheek Neal Coffee Co., Preston and St. Emanuel Sts., having plans prepared by J. Finger, Woolworth Bldg., 5 story, brick and concrete warehouse. $60,000.

Tex., Rotan—Universal Gypsum Co. having plans prepared 200 ton plant. $250,000. C. T. Murphy, c/o owner, engr. in charge of construction.

Tex., San Antonio—Mission Ice Co. plans ice plant, Fredericksburg Rd. and Woodlawn Ave. $150,000. Engineer and architect not announced.

Tex., Sweetwater—See "Railways" under "Contracts Awarded."

Calif., Castroville—Mitchell-Silliman Co. plans warehouse to replace that destroyed by fire. $80,000 to $100,000.

Calif., Hayward—Natl. Ice and Cold Storage Co., Postal Telegraph Bldg., San Francisco, plans ice and cold storage plant, here. $75,000.

Calif., Oakland—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, had plans prepared 2 story, rein.-con., and steel substation, 21st St. near Grove St. $280,000. Private plans. Noted Aug. 23.

Calif., San Francisco—J. Allec, Folsom and 18th Sts., had plans prepared by A. S. Bugbee, 26 Montgomery St., 2 story, rein.-con. addition to dyeing and cleaning plant, Folsom St. near 18th St. $55,000.

Calif., San Francisco — American La France Fire Engine Co., Elmira, N. Y., (local representative office, 151 New Montgomery St.), plans assembling plant, office and service department. $150,000.

Calif., San Francisco—Drendell Electrical Co., 1345 Howard St., having plans prepared 1 story, concrete factory, Howard and Erie Sts. $40,000. Private plans.

Calif., San Francisco—R. W. Kinney Co., 645 Howard St., had plans prepared by B. G. McDougall, 381 Bush St., 3 story, concrete warehouse, 5th and Bryant Sts. $40,000 or more.

Calif., San Francisco—L. R. Lurie Co., 315 Montgomery St., had plans prepared by O'Brien Bros., Inc., 315 Montgomery St., 2 story and basement, rein.-con. warehouse, 11th St. near Harrison St. $40,000, also 2 story, rein.-con. warehouse and scenery painting lofts, 11th St., $50,000.

Calif., San Francisco—R. J. O'Brien & E. Rhine, 608 Alexander Bldg., plan rein.-con. warehouse, 4th and Townsend Sts. $60,000.

Calif., San Francisco—C. Rhine & R. J. O'Brien, 608 Alexander Bldg., plan 4 story and mezzanine, rein.-con., warehouse, Harrison and Division Sts., $1,000,000.

Industrial Works (Continued)

Calif., San Jose—Beech-Nut Co., 4th and Margaret Sts., plans 1 story concrete and steel addition to candy factory. $40,000. W. T. Cox, mgr.

Calif., Wasco—Wasco Creamery plans addition. $40,000, incl. equipment.

Alta., Medicine Hat—Sarnia Oil & Gas Co., Sarnia, Ont., preparing plans gasoline plant here. $300,000. Private plans.

BIDS DESIRED

O., Cleveland—Richman Bros., 1600 East 55th St., taking bids 4 story, 65 x 200 ft., brick and rein.-con. factory addition. $125,000. Christian, Schwarzenberg & Gaeda, 1900 Euclid Ave., .rchts. Noted Sept. 27.

Ill., Chicago—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 5 story, 120 x 200 ft. warehouse, for Standard Sanitary Mfg. Co., 14 North Peoria St.

Ill., Chicago—Halperin & Braun, archts., 19 South La Salle St., receiving bids 2 story and basement, 125 x 196 ft. auto sales and garage, 1832 West Madison St., $100,000. Owner's name withheld.

Ill., Oak Park—E. Roberts, archt., 155 North Clark St., Chicago, receiving bids 1 story, 103 x 125 ft. auto service station, Wesley and Madison Sts., for Hill Motor Car Co., 810 West Madison St., Oak Park.

Tex., Galveston—See "Buildings."

CONTRACTS AWARDED

Me., Winthrop—Winthrop Mills Co., 3 story, 36 x 100 ft., brick and steel addition to warehouse, plain foundation, to Brown Constr. Co., 574 A Congress St., Portland. Archts. est. $45,000 to $50,000.

Conn., New Britain—New Haven Dairy, Woodland St., 2 story, 50 x 50 ft. garage, etc., brick and steel, plain foundation, Woodland St., to Hayes Constr. Co., 9 Court St. Archts. est. $40,000.

N. Y., New York—Western Realty Corp., c/o V. Mayper, archt. and engr., 15 East 40th St., will build 2 story, rein.-con., brick and steel garage, plain foundation, West 207th St., by day labor. $60,000.

Md., Baltimore—E. H. C. Browne, archt., Equitable Bldg., 2 story, 25 x 104 ft. garage and office, concrete and brick, plain foundation, 423 Exchange Pl., to Lewis Constr. Co., Calvert Bldg., for H. Gamse & Bros., 421 Exchange Pl. Archts. est. $40,000. Noted Nov. 15.

Md., Baltimore—Leonhardt Wagon Wks., 417 East Saratoga St., will build 1 story, 156 x 250 ft. factory, concrete and steel, plain foundation, 8th St. near Phila. Rd., by day labor. $60,000. E. M. Leonhardt, pres. J. L. Barr, 202 North Calvert St., archt.

Md., Baltimore—Rennous Kleinle Div. of Pittsburgh Plate Glass Co., 3221 Frederick Rd., 5 story, 100 x 100 ft. factory, concrete and brick, plain foundation, 3221 Frederick Rd., to C. L. Stockhausen Co., Gay and Water Sts. Archts. est. $160,000. Noted Nov. 15.

Md., Baltimore—F. Schulte, 3600 Dillon St., will build two 1 story garages, 140 x 150 ft., and 150 x 190 ft. brick, plain foundations, Fleet and 5th Sts., by day labor. $43,000. Private plans.

Tenn., Shelbyville—See "Dams."

O., Cleveland—City Ice & Fuel Co., c/o H. D. Norval, 1933 Euclid Ave., 1 story, 66 x 187 ft., brick, steel and concrete plant, 12400 ULnion Ave., to Younger & Farmer Co., 1670 Crawford Rd. Archts. est. $100,000. Noted Oct. 25.

O., Cleveland — Ferro Machine & Fdry. Co., East 66th St. and Hubbard Ave., 1 story, 100 x 200 ft., brick and steel factory, to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $75,000. Noted May 3.

O., Cleveland — W. H. Hatch, archt., Guardian Bldg., 3 story and basement, 34 x 77 ft., brick and steel plant, 2420 Cedar Ave., to Russell-Wales Co., 1419 St. Clair Ave., for Van Gastel Cleaning Co. Archts. est. $40,000. Noted Sept. 13.

O., Cleveland — E. H. Bryant, 1251 Superior Ave., 2 story, 36 x 150 ft., brick and steel garage addition, to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $50,000.

O., Minerva — G. H. Bowman Co., 224 Euclid Ave., Cleveland, steel contract for 3 story and basement, 46 x 90 ft., factory, here, to Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa. Total est. $75,000.

O., Toledo—Ohio Trent Coal & Coke Amalgam Co. rein.-con., steel and brick factory, also railroad switches, etc., to M. F. Moriarty & Co., 301 Spitzer Bldg., $300,000.

Ind., Indianapolis — Ostrom Realty Co., Peoples Bank, will build 1 story and basement, 195 x 202 ft. garage, brick and rein.-con., East Ohio St., by day labor. $125,000. Private plans.

Mich., Kalamazoo—Upjohn Chemical Co., 4 story and basement, 78 x 120 ft. addition to factory, rein.-con. and brick, plain foundation, Lovell St., to Miller Boyer Co., Pratt Bldg., cost plus basis. Archts. est. $44,000.

Ill., Chicago—West Side Ice Co., 839 North Hoyne Ave., 1 and 2 story, 100 x 125 ft. ice plant, fireproof, Hoyne Ave. and Walton Pl., to E. W. Sproul Co., 2001 West Pershing Rd. Archts. est. $50,000. Noted Nov. 1.

Ill., Ottawa — E. L. Damon, Centralia, awarded contract 2 story, 100 x 155 ft. garage, rein.-con. and brick. Archts. est. $40,000. Owner's name withheld.

Wis., Madison—L. F. Schollkoff, 210 East Washington Ave., 4 story, 43 x 85 ft., garage and repair shop, brick, rein.-con. and steel, plain foundation, to C. B. Fritz Co., 136 South Frances St. Archts. est. $45,000.

Wis., Milwaukee—Koehring Co., 31st St. and Concordia Ave., 1 story, 54 x 100 ft., brick and steel warehouse, plain foundation, to H. Schmitt & Son, 430 Farwell Ave. Archts. est. $45,000. Noted Oct. 18.

Wis., Milwaukee—Natl. Biscuit Co., 12 Erie St., 1 story and basement, 54 x 100 ft., brick, tile and concrete garage, plain foundation, Milwaukee St., to Nicholson Constr. Co., 90 Nock St. Archts. est $40,000.

Ia., Davenport—United Light and Railways Co., 701 Michigan Trust Bldg., Grand Rapids, Mich., will build central station, 200,000 kw. capacity, etc., near here, along Mississippi River, by day labor. $10,000,000.

Minn., Minneapolis—Minneapolis Garage Co., 3411 Hennepin Ave., converting 9 story, 135 x 165 ft. manufacturing building into garage, rein.-con. and brick, 2nd Ave. and 3rd St., general contract to H. N. Leighton Co., 127 South 10th St. Total $100,000.

Minn., St. Paul—Paper Calmenson & Co., East 7th and Cypress Sts., 1 story, 73 x 450 ft., steel and concrete warehouse, general contract to Siems, Helmers & Schaffner, 514 Guardian Life Bldg. Est. building complete $40,000.

Tex., Big Springs—Stokes Motor Co., 2 story, 50 x 140 ft., brick garage, to J. M. Morgan, Big Springs, $45,000.

Tex., Bronte — F. E. Brown will build power plant by day labor. $50,000. C. C. Holder, engr. and part owner. Noted Aug. 2.

Tex., Houston—Myers-Spalti Mfg. Co., 2118 Runnels St., brick and tile dry kiln. Marsden St., to Amer. Constr. Co., Gulf Bldg., $25,000.

Calif., San Francisco—Lyons Calif. Glace Fruit Co., 535 Folsom St., rein.-con. factory, warehouse and office, Mariposa and 17th Sts., to G. Wagner, 251 Kearney St. $250,000.

Calif., Smartsville — See "Waterworks" under "Proposed Work."

Buildings

PROPOSED WORK

R. I., Bristol—School—Elizabeth Ward-well Guiteras School Bldg. Com. having plans prepared by Clark & Howe, Turks Head Bldg., Providence, 3 story fireproof. $245,000. R. J. Connery, chm.

R. I., Newport—Courthouse—Newport Co. plans brick and stone. $300,000. H. B. Baker, chn. Architect not selected.

R. I., Olneyville — Church — Tabernacle Parish having plans prepared by Woodberry & Stuart, 53 State St., Boston, 1 story, stone. $250,000. J. H. Slutz, pastor.

R. I., Pawtucket—Clubhouse—I. O. O. F. Realty Corp., c/o R. C. Monahon, archt., 255 Main St., having plans prepared 3 story, brick and steel, Broad St. $150,000.

R. I., Providence—College—R. I. College of Education, c/o W. R. Walker & Son, archts., 49 Weybosset St., having plans prepared fireproof college buildings, $400,000.

Conn., Ansonia—Y. M. C. A., 53 Main St., plans 3 story, brick and steel, plain foundation, State St. $150,000. Orr & Del Grella, 956 Chapel St., New Haven, archts.

Conn., Hartford — High School — High School Comn., Municipal Bldg., plans 3 story, New Britain Ave. $1,500,000. Engineer and architect not selected.

Conn., Waterbury — Church — St. Margarets Roman Catholic Parish, plans church, Willow St. $150,000. E. J. Brennan, pastor. Engineer and architect not selected.

N. Y., Albany—Hotel and Store—Levison Bros., Green and Beaver Sts., plans to demolish 5 houses and construct 5 story, 42 x 132 ft., brick and timber, plain foundation, Beaver St. $150,000. Engineer and architect not selected.

N. Y., Auburn—Hospital—City and Cayuga Co. plans to build and equip hospital. $700,000. Engineer and architect not announced.

N. Y., Brooklyn—Municipal—City, Boro Hall, had plans prepared by McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York, about 11 story, brick and steel, plain foundation, Court and Joralemon Sts. $5,800,000.

N. Y., Buffalo — Apartment — Mutual Planning Co., Prudential Bldg., had plans prepared by E. W. Goldstein, Mutual Life Bldg., 5 story, 108 x 249 ft., rein.-con., brick and steel, Linwood Ave. To exceed $500,000.

N. Y., Carthage—Club—Carthage Lodge F. & A. M. plans new clubhouse. $100,000-$150,000. Engineer and architect not announced.

N. Y., Le Roy—High School—Voted $225,000 bonds high school, Wolcott St. Tooker & Marsh, 101 Park Ave., New York, archts. Noted Nov. 1.

N. Y., New York—Apartment—H. A. Lanzner, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Haven Ave. and West 177th St. $800,000.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., had plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., rein.-con., brick, steel and stone, plain foundation, 204 2nd Ave. $750,000.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., having sketches made by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., brick steel and stone, plain foundation, Sherman Ave. $500,000.

N. Y., New York—School—Church of St. Rose of Lima, c/o R. J. Reiley, archt. and engr., 50 East 41st St., soon takes bids 4 story, brick, steel and stone, plain foundation, 164th St. between Amsterdam and St. Nicholas Aves. $250,000.

N. Y., New York—Y. M. C. A., 2 West 45th St., having sketches made brick, steel and stone, plain foundation, 318 West 56th St. $1,250,000. Private plans.

N. Y., Niagara Falls—Hotel— J. Geisler, 468½ 9th St., represents group of men who plan 99 x 159 ft., 1st and Cherry Sts. $400,000. Engineer and architect not announced.

N. Y., Niagara Falls—Office—Simons-Baker Co. takes bids about Dec. 15, 2 story and basement, 50 x 91 ft., brick and rein.-con., plain foundation, 3rd and Ferry Sts. $150,000. Kirkpatrick & Cannon, Gluck Bldg., archts.

N. Y., Niagara Falls—Science—Niagara University, Lewiston Rd., plans science building. $200,000.

N. Y., Richmond Hill (branch of Jamaica) —High School—Bd. Educ., 500 Park Ave., New York, plans brick, steel and stone, plain foundation, here. $1,148,000. W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

N. Y., Rochester — Schools — Rochester Catholic Diocese plans new Aquinas Institute, Dewey Ave., $650,000., will mature in spring. J. F. Warner, Granite Bldg., archt. When plans are completed on above, owner plans adjunct of Aquinas Institute, $250,000. Probably above architect will prepare plans for same.

N. Y., Watertown—Orphanage—Jefferson Co. Orphanage plans 5 buildings. $200,000. A. Skinner, 228 Arsenal St., archt.

N. J., Newark—School—Bd. Educ., Broad St., had plans prepared by Guilbert & Betelle, 2 Lombardy St., 3 story, brick, steel and stone, plain foundation, Maple and Goldsmith Aves. $600,000. Noted May 10.

Pa., Altoona — Office — See "Industrial Works."

Pa., Coatesville — School — City plans school. $160,000. Engineer and architect not selected.

Buildings (Continued)

Pa., Erie—Schools—Election in spring to vote on $2,000,000 bonds for schools. Engineer and architect not selected.

Pa., Wilkes-Barre — Hotel — Community Hotel Corp., c/o A. J. Sordini, Chamber of Commerce, plans hotel under direction of Hockenberry System. $1,000,000 to $1,500,000.

Md., Baltimore — Apartment — Wyatt & Nolting, archts., Keyser Bldg., soon take bids 9 story, 75 x 208 ft., brick, plain foundation, University Parkway. $750,000. Owner's name withheld. Noted Feb. 8.

Md., Baltimore—Hotel—Hotel Emerson, Calvert and Baltimore Sts., having plans prepared by W. G. Beecher, 12 East Pleasant St., 16 story, 40 x 104 ft. addition, brick, concrete and steel, Baltimore St. near Calvert St. $600,000. W. H. Parker, mgr. Noted Nov. 1.

Md., Baltimore—Natatorium—Natatorium Assn., Hearst Tower Bldg., having plans prepared by D. M. Ach, 1 Madison Ave., New York City, 4 story, rein.-con. and brick, Carlins Park. $500,000. J. OBrien, chn.

Va., Charlottesville — Hotel — Jackson Park Hotel Co., Inc., plans hotel, 5th and Jefferson Sts. $250,000-$1,000,000. Engineer and architect not selected.

W. Va., Bluefield—Office—City Council takes bids about Jan. 15, 4 story. $175,000. Mills, Gary & Sheffey, Bluefield, archts.

W. Va., Wellsburg — Bank — Wellsburg Natl. Bank having plans prepared by T. M. James Co., Wellsburg, 2 story and basement. $150,000.

N. C., Chimney Rock—See "Unclassified."

Ala., Auburn — Engineering — Alabama Polytechnic Institute plans engineering building. $300,000.

Ala., Birmingham—Hotel—T. H. Molton, 617 Idelwild Circle, takes bids about February, 100 x 190 ft. (not less than 10 story), 5th Ave. and 21st St. $1,500,000. Engineer anl architect not announced.

La., New Orleans—School—Orleans Parish School Bd., City Hall, opens bids about Dec. 12, for Capdau School, 3 story, 108 x 172 ft., Franklin, Louis and Jonquet Sts. $175,000. E. A. Christy, archt.

Tenn., Nashville — Seminary — Amer. Baptist Theological Seminary, 161 8th Ave., N., purchased site and plans seminary dormitories, college buildings, etc. $250,000. O. L. Haley, secy.

Ky., Louisville — Hospital — City and County Tuberculosis Hospital, 215 East Walnut St., having plans prepared by A. Loomis, Todd Bldg., hospital on 18th St. Tuberculosis Board sold $750,000 bonds. County will furnish $250,000.

O., Canton — Hospital — Stark Co. had plans prepared by Thayer & Johnson, archts., 5716 Euclid Ave., Cleveland, 3 story, brick, steel and concrete. $300,000. Noted March 1.

O., Cleveland—Apartment—B. Benjamin, 9917 Parkgate Ave., had plans prepared 4 story, 54 x 201 ft., brick, 2036 East 100th St. $350,000. Private plans.

O., Cleveland—Apartment—H. Latin, 1121 East 98th St., having plans prepared by M. Weis, Union Bldg., 3 story and basement, 76 x 115 ft., brick, East 90th St., near Euclid Ave. $150,000.

O., Cleveland — Commercial — J. Babin, Williamson Bldg., having plans prepared by N. Petti, Williamson Bldg., 3 story and basement, 55 x 160 ft., brick, steel and terra cotta, 3602 Euclid Ave. $150,000.

O., Cleveland — Commercial and Apartment—N. M. Berkowitz, 716 Guardian Bldg., had plans prepared by A. Sogg, 319 Hippodrome Bldg., 3 story and basement, 61 x 108 ft., brick, 12803 St. Clair Ave. $150,000.

O., Lakewood (Cleveland P. O.)—Apartment—W. Blusinsky, 508 Ulmer Bldg., Cleveland, had plans prepared by M. Weis, Union Bldg., Cleveland, 2 story, 18 x 160 ft., brick, Atkins Ave., here. $200,000.

O., Warren—High School—Bd. Educ. having plans prepared by Keitch, O'Brian & Hosker, Warren, high school. $900,000. Will mature in spring. Noted Nov. 15.

O., Youngstown—Church—First Baptist Church, Market and Boardman Sts., plans new church. $150,000. Engineer and architect not announced. Will mature in spring or summer.

Ind., Crown Point — Hospital — Comrs. Lake Co. plan 2 story, 34 x 525 ft. and 2 story, 50 x 100 ft. hospitals, 1 story power plant, 2 story childrens building, 2 story negro patients building and 1 ten car garage, rein.-con. and brick, outside city. $350,000. K. D. Norris, Calumet Bldg., East Chicago, archt.

Ind., Decatur—High School—St. Marys Church, plans 2 story and basement, 127 x 175 ft. brick and stone, $200,000. H. Gaul, 111 West Washington St., Chicago, archt.

Ind., Evansville—Church—Bethel Evangelical Church plans 2 story and basement, rein.-con. and brick, Garwin St. $150,000. Engineer and architect not selected.

Ind., Evansville—Church—Central Methodist Episcopal Church plans 2 story and basement, brick and stone. $150,000. Engineer and architect not selected.

Ind., Evansville—Medical Arts—G. C. Baughman, and W. H. Axton, representing owners, plan 6 story and basement, 70 x 200 ft., brick, steel, tile and marble, fireproof construction, 3rd and Sycamore Sts. $650,000. H. E. Boyle & Co., Furniture Bldg., Evansville, archts.

Ind., Ft. Wayne—Schools—Bd. School Trustees plans "Southside Grade School," 2 story and basement, brick, $275,000, C. R. Weatherhogg, 250 Ft. Wayne St., archt.; "Lakeside Grade School," 2 story and basement, brick, $275,000, G. Mahurin, 500 Lincoln Life Bldg., archt.; 2 story and basement school addition, brick, $200,000, Griffith & Goodrich, 211 East Berry St., archt.

Ind., Greenfield—School—School Trustees plan 2 story and basement, 70 x 160 ft., brick, semi fireproof construction, plain foundation. $150,000. O. P. Gordon, Greenfield, archt.

Ind., Hammond — Hospital — Franciscan Sisters of the Poor having plans prepared by D. X. Murphy & Bro., Louisville Trust Bldg., Louisville, Ky., 4 story, 46 x 288 ft., rein. con. $300,000.

Ind., Indianapolis—Office—Reserve Loan Life Insurance Co., plans 8 story and basement, brick, fireproof, North Pennsylvania St. $500,000. Rubush & Hunter, 428 Amer. Central Life Bldg., archts.

Ind., Kokomo—High School—Bd. School Trustees plans 2 story and basement, brick. $300,000. Engineer and architect not selected.

Ind., Kokomo—Hospital—Howard County Hospital Assn. plans hospital, brick, fireproof. $250,000. Elmer E. Dunlap Co., 1125 North Buckeye St., archts.

Ind., Kokomo—Office—Realty Co. having plans prepared by Vonnegut, Bohn & Mueller, 610 Indiana Trust Bldg., Indianapolis, 8 story, 44 x 132 ft., rein.-con. and brick. $340,000. E. Eberhardt, pres.

Ind., Marion — School — School Trustees plan 2 story and basement, rein.-con., brick and steel, concrete pile foundation, 4th St. $250,000. H. Elder, Custer Bldg., archt.

Ind., Richmond—Hotel—W. F. Williams, 200 South 6th St., plans hotel. $175,000. Ready for bids about Jan. 1. C. E. Werking & Son, Palladium Bldg., archts.

Ind., South Bend — High School — Bd. School Comrs. having plans prepared by Austin & Skambleau, 111 North Lafayette St., 2 story and basement, 75 x 360 ft., brick. $600,000. Noted May 3.

Ind., South Bend—Lodge—Eagle Lodge plans brick and fireproof. $300,000. Nicol, Scholes & Hoffman, Ross Bldg., Lafayette, archts.

Ind., Terre Haute—Dormitory—Gibeault Home for Boys, Allendale, Terre Haute, plans 2 story and basement brick. $150,000. Shourds-Stoner Co., 510 Tribune Bldg., archt.

Ill., Beardstown — High School — Bd. Educ. soon takes bids 2 story and basement, brick and rein.-con. $150,000. M. J. Geise, 800½ Main St., Quincy, archt.

Ill., Chicago — Office, etc. — Hartman Furniture and Carpet Co., 230 South Wabash Ave., plans office and furniture building, Adams and Wabash Aves., $1,000,000. A. S. Alschuler, 28 East Jackson Blvd., archt.

Ill., Oak Park—Apartment—D. Collins, 810 West Madison St., plans 5 story, 140 x 155 ft., fireproof, Madison St. and Oak Park Ave. $1,000,000. Hall, Lawrence, Rippel & Ratcliffe, 123 West Madison St., Chicago, archts.

Ill., Peoria—Bank and Office—Commercial Natl. Bank, 321 South Adams St., having preliminary plans prepared by Hewett & Emerson, 1600 Peoria Life Bldg., 7 or 8 story and basement, 72 x 120 ft., rein.-con., brick and steel, concrete pile foundation.

Ill., Savanna—School—Bd. Educ. plans Lincoln School, 2 story and basement, rein.-con., brick and steel. $175,000. J. R. Slate, pres. Architect not selected.

Wis., Fond du Lac—Theatre and Business—Fisher Paramount Theatres, 36 South State St., Chicago, having plans prepared by R. Levine & Co., 6957 South Green St., Chicago, 3 story and basement, 140 x 240 ft., brick, terra cotta and concrete, plain foundation, North Main St., here. $500,000.

Wis., Madison—Chapel and Club House—St. Francis Episcopal Society, c/o S. M. Cleveland, pastor, 1015 University Ave., plans 2 story, brick, rein.-con. and steel, plain foundation. $150,000. Engineer and architect not selected.

Wis., Milwaukee — Church — Immanuel Evangelical Lutheran Congregation, c/o C. F. Dietz, pastor, 1122 Garfield Ave., having plans prepared by H. C. Haeuser, 445 Milwaukee St., 2 story, brick and tile, plain foundation, Teutonia Ave. $150,000. Noted Nov. 1.

Wis., Milwaukee — Club — Jugo-Slav Societies, c/o J. Match, pres., 467 Park St., plans 2 story, brick and concrete, plain foundation. $150,000. Engineer and architect not selected.

Wis., Milwaukee—Hospital—City, c/o G. Ruhland, health comr., having preliminary plans prepared by C. E. Malig, City Hall, 2 story and basement addition, brick and concrete, plain foundation, Mitchell St. $150,000.

Minn., Cambridge—Hospital—State Bd. of Control, St. Paul, making plans 3 story and basement, rein. con., brick, tile and stone. $150,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt.

Minn., St. Paul—Apartment—Cleveland Realty Co., 302 Pittsburgh Bldg., having plans prepared by W. Stevens, 302 Pittsburgh Bldg., 3 story and basement, 92 x 118 ft., brick, concrete and steel. $175,000.

S. D. Huron—Auditorium and Gymnasium—Huron College takes bids in December or early in 1924 for 4 story and basement, rein.-con., brick and stone. $400,000. Engineer and architect not selected.

Mo., Cape Girardeau—High School—Nov. 30 to vote on $268,000 bonds 2 story and basement high school, also additions to 2 existing grade schools.

Mo., Kansas City—School—Bd. Educ. soon takes bids rein.-con. and brick addition to Bristol School. $200,000. C. A. Smith, Finance Bldg., archt.

Tex., Houston—Apartment—E. M. Muehlendorff, archt., West Bldg., preparing plans 8 story, concrete and brick, Montrose Blvd. $350,000. Owner's name withheld.

Tex., Houston — Club and Office — Carpenters Union 213, Caroline St., having plans prepared by J. Finger, Woolworth Bldg., 4 story, brick, terra cotta and concrete, Capitol St. $150,000.

Tex., Houston — Convent — Sisters of Charity of Incarnate Word having plans prepared by M. Sullivan, Carter Bldg., 3 story, 60 x 275 ft., brick, steel and concrete. $500,000.

Tex., San Marcos—Schools—Dec. 20, to vote on $200,000 bonds, schools and improvements. C. E. Rugel, secy. School Bd.

Okla., Bristow—High School—Bd. Educ. having plans prepared by C. L. Curran, Groom Bldg., 3 story and basement, 140 x 180 ft., rein.-con. and brick. $150,000. Noted Nov. 8.

Okla., Ponca City — Office — Ponca City News having plans prepared by C. H. Woodruff, Fort Worth, Tex., 2 story, 100 x 140 ft., brick and steel, plain foundation, 4th and Walnut Sts. $151,000.

Ore., Portland—F. E. Taylor, 1201 Yeon Bldg., having plans prepared by Shacht & Bergen, 607 Worcester Bldg., and takes bids about Dec. 16, 2 story, 100 x 100 ft. garage, rein.-con., solid rock foundation. Washington and Ella Sts. $75,000. Packard Service and Sales Co., 10th and Burnside Sts., lessee.

Calif., Alhambra—School—City to vote on $600,000 bond issue for additions to elementary and high schols.

Calif., Berkeley—Theatre—L. H. Ford, archt., 306 14th St., Oakland, preparing preliminary plans Class A construction theatre, Telegraph Ave. near Channing Way. $200,000. Owner's name withheld.

Calif., Cambria — School — Coast Union High School Dist. plans school buildings. $150,000.

Calif., Glendale—Hospital—O. W. Tarr, 102 East Bway., plans fireproof hospital. $150,000. Architect not selected.

Calif., Glendale—Hotel—J. B. Ferguson, Sun Bldg., Los Angeles, (representing owner), having plans prepared by Engineer-

Buildings (Continued)

ing Service Corp., Washington Bldg., Los Angeles, 3 story, 150 x 250 ft., rein. con., Colorado St., here.

Calif., Long Beach—Theatre, Store and Office—West Coast Theatres Inc., Knickerbocker Bldg., plans 8 story, 100 x 175 ft.

Calif., Los Angeles—Apartment—H. Genser, archt., Hibernian Bldg., takes bids in 1 week 3 story and basement, 125 x 250 ft., frame, Exposition Blvd. Owners name withheld.

Calif., Los Angeles — Apartment — Murstein & Neft, Seattle, Wash., having plans prepared by H. Genser, 207 Hibernian Bldg., Los Angeles, 3 story, 126 x 272 ft., wood, Exposition Blvd. and Vermont Ave., here. $200,000.

Calif., Los Angeles—Club—Los Angeles Lodge, B. P. O. E., 300 South Olive St., having preliminary plans prepared by Curlett & Beelman, Union Bank Bldg., 12 story, Class A construction, Parkview and 6th Sts. $1,250,000.

Calif., Los Angeles — Hospital — French Hospital, 531 College Ave., having preliminary plans prepared by Monaco & Bordeaux, Bank of Italy-International Bldg., 2 story and basement, rein.-con. addition to hospital, College St. $150,000.

Calif., Los Angeles—Hotel—E. A. McCarthy, 457 South Norton St., having plans prepared by Noernbery & Johnson, Railway Bldg., 3 story and basement, 50 x 115 ft., brick, Stanford Ave.

Calif., Los Angeles—Hotel—A. W. Mortimer, et al., Chapman Bldg., had plans prepared by L. A. Smith, 3rd St. and Western Ave., 12 story and basement, rein.-con., Orange and Loomis Sts. $750,000.

Calif., Los Angeles—Hotel—C. F. Whittlesey, archt., 6533 Hollywood Blvd., preparing preliminary plans 975 room hotel, probably rein.-con., Hollywood Blvd. Owner's name withheld.

Calif., Los Angeles—Office—J. Van Nuys, Van Nuys Bldg., had preliminary plans prepared by Morgan, Walls, Clemens, Van Nuys Bldg., 12 story, Class A construction, Bway. and 10th St.

Calif., Los Angeles—Store and Loft—L. Harter, c/o W. J. Saunders, archt., Laughlin Bldg., having plans prepared 6 story, 50 x 150 ft., rein.-con., 21st St. near San Pedro St.

Calif., Monrovia — Church — St. Lukes Episcopal Church, South Myrtle St., having plans prepared by C. M. Winslow, Van Nuys Bldg., Los Angeles, group of building, incl. parish house, etc., masonry construction.

Calif., Monrovia—Club—Monrovia Chamber of Commerce representing interests which plan country club buildings, grounds, etc. $150,000.

Calif., Oakland — Theatre — Orpheum Theatre Co., c/o G. A. Lansburgh, archt., 130 Montgomery St., San Francisco, having plans prepared theatre, Class A construction, probably rein.-con., 20th and Bway. $800,000.

Calif., Pasadena—Church—First Baptist Church, 65 North Morengo St., having plans prepared by C. M. Winslow, Van Nuys Bldg., Los Angeles, church, masonry construction. $350,000.

Calif., San Francisco—Hospital—Chinese Six Companies, c/o A. I. Coffey, archt., Humboldt Bank Bldg., rejected bids and having revised plans prepared, rein.-con., Jackson and Trenton Sts. $150,000. Noted Apr. 19.

Calif., San Francisco—Office—See "Industrial Works."

Calif., San Francisco — Office — Pacific Telephone & Telegraph Co., 333 Grant Ave., having plans prepared by T. Lonnenberg, engr., Crocker Bldg., and Miller & Pflueger, archts., Lick Bldg., associated with A. A. Cantin, 68 Post St., 26 story and basement, rein.-con., steel and terra cotta, New Montgomery St. $2,500,000. Noted July 5.

Calif., San Jose—Educational—San Jose Presbyterian Church having plans prepared by F. W. Reid, 312 Call Bldg., San Francisco, 4 story, rein.-con., 4th St. $150,000.

Calif., San Rafael—Courthouse—Marin Co. plans election to vote on $600,000 bond issue, for courthouse. R. E. Graham, clk. Architect not selected.

Calif., Tulare—Lodge—Tulare Lodge, B. P. O. E., having preliminary plans prepared by Swartz & Ryland, Rowell Bldg., Fresno, 2story, brick. $150,000.

Calif., Watsonville—Store—C. Ford Co., c/o Wyckoff & White, archts., Growers Bank Bldg., San Jose, having plans prepared, 2 story, rein.-con. addition. $150,000.

Number of Contracts Let in United States in First Ten Months of 1923

	New England	Middle Atlantic	Southern	Middle West	West of Mississippi	Western	Total
Water-works	10	58	26	119	124	22	359
Sewers	9	95	30	131	103	39	407
Bridges	16	37	53	56	113	38	313
Excav. and dredging	.....	7	16	25	49	24	121
Streets and roads	66	304	271	450	657	324	2,072
Industrial works	190	261	95	507	183	153	1,389
Buildings	153	497	153	462	258	255	1,778
Federal Government work	14	73	82	44	24	44	281
Miscellaneous	20	114	32	77	100	56	399
	478	1,446	758	1,871	1,611	955	7,109

Que., Outremont—Church—St. Madeline of Outremont Church, 40 Duverger St., having plans prepared 50 x 80 ft. church, Duverger St. $250,000. Architect not announced.

BIDS DESIRED

Mass., Boston—High School—Jan. 12, by Dept. Pub. Wks., 2 story and basement, 200 x 200 ft., rein.-con. and brick, wood pile foundation, Warren and Townsend Sts. $1,200,000. H. A. Atwood, Ashmont St., Roxbury, archt. Noted Feb. 1.

Mass., Dorchester (Boston P. O.)—Junior High School—Feb. 1, by Dept. Pub. Wks., Boston, 2 story and basement, 120 x 120 ft. brick and rein.-con., wood pile foundation, in Mather Dist. $500,000. O'Connell & Shaw, 134 Newbury St., Boston, archts. Noted Feb. 1.

Mass., East Boston (Boston P. O.)—School—Dec. 21, by Dept. Pub. Wks., Boston, constructing Samuel Adams School, 2 story and basement, 120 x 120 ft., brick and rein.-con., wood pile foundation. $500,000. C. R. Greco, 8 Beacon St., Boston, archt. Noted Feb. 1.

N. Y., Buffalo — Office — Dec. 18, by Supervs. Erie Co., 29 City and County Hall, 3 story, rein.-con., brick and Indiana limestone, Eagle St. $325,000. North, Shelgren & Swift, 511 Crosby Bldg., archts.

N. J., Camden—Hospital—Dec. 17, by Camden Co., group of buildings for tuberculosis hospital. A. H. Moses, Temple Bldg., archt.; adv. E. N.-R. Nov. 29.

Wash., D. C.—School—Dec. 17, by Dist. Comrs., 509 Dist Bldg., for school. Further information apply Room 427, Dist. Bldg.; adv. E. N.-R. Nov. 29.

La., New Orleans—School—Dec. 21, by E. A. Christy, archt. Orleans Parish School Bd., City Hall Annex, 108 x 172 ft. Capdau School, Jonquil, Lotus and Lavender Sts. $175,000. Noted Nov. 8.

O., Cleveland — Apartment — Abrams Bros., 203 Ulmer Bldg., taking bids 3 story and basement, 43 x 75 ft., brick, 9701 Lamont Ave. $200,000. Braverman & Havermaet, Ulmer Bldg., archts.

O., Cleveland—Apartment—H. A. Fishel, Society for Savings Bldg., taking bids and opens same about Dec. 10, 3 story and basement, 52 x 109 ft., brick, 1872 East 101st St. $160,000. Best & Hoefler, B. F. Keith Bldg., archts. Noted Nov. 8.

O., Cleveland — Apartment — S. Koslen, 1077 East 97th St., taking bids and opens same about Dec. 12, 3 story and basement, 65 x 160 x 195 ft., brick, 1794 Crawford Rd. $200,000. M. Weis, 617 Union Bldg., archt. Noted Oct. 4.

O., Cleveland—Apartment—Rosen Bros., c/o Eagle Cap Co., 608 St. Clair Ave., taking bids and opens same about Dec. 5, 3 story and basement, 37 x 110 ft., brick, 10206 Wilbur Ave. $150,000. Braverman & Havermaet, Ulmer Bldg., archts.

O., Cleveland—Store and Apartment—L. Arnoff, 545 East 117th St., taking bids 4 story and basement, 40 x 446 ft., brick, Lake Shore Blvd. $300,000. G. Rudolph, Newman-Stern Bldg., archt.

O., Mt. Vernon—High School—Dec. 10, by Bd. Educ., 2 story and basement, 64 x 146 ft., brick, stone and concrete. $185,000. W. H. Tremaine, Chamber of Commerce Bldg., Columbus, archt.

Ind., Newport—Courthouse—Dec. 22, by Vermillion Co., courthouse, Public Sq. $293,000. M. Lewis, aud.

Mich., Sturgis—Bank—Dec. 7, by Citizens State Bank, 4 story and basement, rein.-con., brick, steel and stone, plain foundation, $200,000. Robinson & Campau, 715 Michigan Trust Bldg., Grand Rapids, archts.

Ill., Chicago—Apartment—P. F. Olsen, archt., 720 Cass St., receiving bids 3 story and basement, 100 x 140 ft., Albion and Clark Sts., for A. Wallen, 5510 Kenmore St. $200,000.

Ill., Chicago—Apartment—P. F. Olsen, archt. and owner, 720 Cass St., receiving bids 3 story and basement, 100 x 160 ft., Mildred and George Sts. $150,000.

Ill., Chicago—Apartment—B. H. Stephens, archt., 407 South Dearborn St., receiving bids 3 story, 100 x 150 ft. fireproof, 2344-54 Kennilworth St., for E. Wettegan, c/o architect. $150,000.

Ill., Chicago—Apartment—M. S. Willens, 140 South Dearborn St., receiving bids 3 story and basement, 100 x 140 ft., fireproof, Wayne St. near Farwell St. $200,000. J. Cohen & Co., 140 North Dearborn St., archt.

Ill., Chicago—Store and Apartment—Z. E. Smith, archt., 305 East 55th St., receiving bids 3 story, 110 x 125 ft., fireproof, Cottage Grove Ave. and 76th St., for M. Hoffman, c/o architect. $200,000.

Wis., Madison—Chapel—Balch & Lippert, archts., Gay Bldg., taking bids 4 story, 56 x 88 ft., brick, rein.-con. and steel, plain foundation, here, for German Methodist Church, c/o W. Schwiering, 110 South Congress St., Kenosha. $150,000. Noted Nov. 1.

Minn., Duluth—Commercial—Dec. 20, by W. M. Prindle & Co., Lonsdale Bldg., agts. for R. M. Bradley and associates, Boston, 4 story, 50 x 140 ft., rein.-con. and brick, West 1st St. near 3rd Ave. W. $150,000. F. G. German, 411 Exch. Bldg., archts. and engrs.

S. D., Spearfish—School—Dec. 15, by Bd. Educ., 2 story and basement, rein.-con., brick, stone and tile. $150,000. Perkins & McWayne, 322 Paulton Blk., Sioux Falls, archts.

Tex., Galveston—Administration, etc.—Jan. 14, by Bd. Regents, University of Texas, c/o H. L. Stark, chn., Orange, administration building and power plant, brick, stone and concrete, on Campus, here. $308,000. H. M. Greene Co., North Texas Bldg., Dallas, archts.

Calif., Los Angeles—Apartment—Eastern Realty Co., taking bids 3 story, 108 x 138 ft., brick and steel, Pico St. and Wilton Pl. $185,000. H. Genser, 208 Hibernian Bldg., archt. Noted Oct. 25.

Calif., Los Angeles—Hotel and Apartment—A. F. Priest, archt., Fay Bldg., receiving bids 5 story, brick and steel, Brand and California St., for Glendalia Hotel Co. $200,000.

BIDS RECEIVED

Ill., Waukegan—Y. M. C. A., 203 North Genesee St., 4 story and basement, 104 x 122 ft., rein.-con., brick and tile, from Peterson & Weeks, 2 South County St., $207,609. Noted Nov. 1.

Buildings (Continued)

CONTRACTS AWARDED

Conn., Hartford—Apartment—D. Marra, 105 Kent St., will build 3 story, 60 x 190 ft., brick, plain foundation, Retreat Ave., by day labor. $200,000. J. E. Marchetti, 721 Main St., archt. Noted Oct. 4.

Pa., Brownsville—Store and Hotel—S. Tiff, Monongahela Hotel, 31 x 58 ft. store and hotel, Market St., to L. J. Noble, Brownsville, percentage basis. Archts. est. $300,000.

N. Y., Brooklyn — Apartment — Bermal Realty Corp., c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., will build 4 story, 100 x 100 ft., brick, steel and stone, plain foundation, 13th Ave., by day labor. $175,000.

N. Y., Brooklyn—Apartment—Kap Realty Corp., c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., will build brick, steel and stone, plain foundation, Empire Blvd., by day labor. $200,000.

N. Y., Brooklyn — Apartment — Lipthal Building Corp., c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., will build 4 story, brick, steel and stone, plain foundation, Carroll St., by day labor. $200,000.

N. Y., New York — Apartment — Eight Hundred Seventy West End Ave. Corp., c/o R. Candela, archt. and engr., 200 West 72nd St., will build brick, steel and stone, plain foundation, West End Ave., by day labor. $1,000,000.

N. Y., New York—Apartment—Finkelstein & Schwartz, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build brick, steel and stone, plain foundation, West 188th St., by day labor. $250,000.

N. Y., New York—Apartment—H. Glick, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build brick, steel and stone, plain foundation, 153rd St. and St. Nicholas Ave., by day labor. $300,000.

N. Y., New York—Apartment—B. London, c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 5 story, brick, steel and stone, plain foundation, Ft. George Ave., by day labor. $600,000.

N. Y., New York—Apartment—Stelwien Bros., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, 115th St. and Webb Ave., by day labor. $150,000.

N. Y., New York—Apartment—I. Weinstein, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 75 x 150 ft., brick, steel and stone, plain foundation, 196th St. and Creston Ave., by day labor. $200,000.

N. Y., New York—Hospital—Wiseman & Taussig, archts. and engrs., 25 West 43rd St., 9 story, 100 x 175 ft., brick, steel and stone, plain foundation, 5th Ave. anl 103rd St., to Wells Constr. Co., 237 5th Ave., for Physicians Medical Hotel Corp., c/o architects. Archts. est. $800,000. Noted April 5.

N. Y., New York—Loft—Ten East 47th St. Corp., 25 x 114 ft., brick, steel and stone, plain foundation, 10 East 47th St., to Moore & Patience, Inc., 103 Park Ave. Archts. est. $200,000.

N. J., Union Hill (Weehawken P. O.)—School—Bd. Educ., 4 story, brick, steel and stone, plain foundation, New York Ave. and Gardner St., to J. E. Bose & M. Milliment, 368 Bergenline Ave., Union Hill, $453,015.

Md., Frostburg — Dormitory — Maryland State Normal School, Frostburg, 3 story, 43 x 52 ft. addition, to O. Gerlach, Frostburg, $150,000.

W. Va., Montgomery—Bank—Montgomery Natl. Bank, 2 story and basement, 24 x 90 ft., stone and granite, to Hoggson Constr. Co., 485 5th Ave., New York. Est. $200,000. Noted June 21.

Ky., Louisville—Hotel—Citizens Hotel Co., 18 story, 124 x 148 ft., brick and stone, 5th and Walnut Sts., to Rommel Bros., 919 East Bway. Archts. est. $2,300,000. Noted Oct. 25.

Ky., Winchester — High School — Bd. Educ., 3 story, brick and terra cotta, to Central States Constr. Co., 1107 4th Ave., Huntington, W. Va. Est. cost $250,000. Noted Sept. 27.

O., Cleveland—Office and Retail—Cleveland Window Glass & Door Co., 209 Champlain Ave., 3 story and basement, 60 x 140 ft., brick, steel and concrete, 1200 Bolivar Rd., to Natl. Concrete Fireproofing Co., Citizens Bldg. Archts. est. $150,000. Noted Oct. 25.

O., Cleveland—Temple—Euclid Ave. Temple Assn., c/o J. Laronge, chn. Building Comn., 214 Williamson Bldg., 3 story and basement, 88 x 120 ft., brick, steel and concrete addition, East 82nd St. and Euclid Ave., to J. Grant & Son, 4500 Euclid Ave. Archts. est. $225,000. Noted Sept. 27.

Ind., Indianapolis—Hotel—Jackson Place Realty Co., 914 Hume-Mansur Bldg., 12 story and basement, 50 x 102 ft., brick, McCrea St. and Jackson Pl., general contract to E. G. Spink Co., 914 Hume-Mansur Bldg.; metal lath to Anchor Steel Products Co., 2039 North New Jersey St.

Mich., Dearborn—Library—Bd. Directors Pub. Library, 2 story and basement, rein.-con., brick and steel, plain foundation Michigan Ave., to F. R. Patterson Constr. Co., 624 McKerchey Bldg., Detroit, $150,000.

Ill., Chicago—Apartment—A. Ingrams, c/o Huszagh & Hill, archts., 72 West Washington St., 3 story, Rodgers and East Lake Terrace, to Holpuch Co., 111 West Washington St., $500,000. Notel Sept. 20.

Ill., Chicago—Apartment—Johnson Bros., 109 North Dearborn St., 3 story, 170 x 200 ft., 69th and Crandon Sts., to Turnquist Bros. Constr. Co., 326 East 69th Pl., $300,000. Noted Nov. 1.

Ill., Chicago—Apartment—J. Rosenberg, c/o T. R. Bishop, archt., 35 South Dearborn St., 3 story, 175 x 190 ft., fireproof, 56th and Kimbark Sts., to H. Zisook, 4451 Vincennes Ave. Archts. est. $400,000.

Ill., Chicago—School—Bd. Educ., 650 South Clark St., 3 story, 152 x 175 ft., fireproof addition, 547-565 East 35th St., to Siebold & Neunkirchen, 133 West Washington St. Archts. est. $300,000.

Wis., Clinton — Church — First Presbyterian Church, c/o C. W. Colliva, chn., 1 and 2 story, 75 x 90 ft., brick, rein.-con. and stone, plain foundation to J. Root, South Beloit, Ill. Archts. est. $150,000.

Wis., Madison—Apartment—M. Woldenberg, 54 West Kenzie St., Chicago, 6 story, 60 x 150 ft., brick, rein.-con. and steel, plain foundation, here, to C. B. Fritz Co., 137 North Frances St. Archts. est. $150,000.

Wis., Milwaukee—Store—Mitchell Street Bldg. Co., c/o B. Morse, 216 West Water St., 1 story and basement, 100 x 140 ft., brick, plain foundation, to S. Czaplewski & Son, 878 2nd Ave. Noted Nov. 1.

Minn., Proctor—School—School Bd., 2 story and basement, 92 x 182 ft., rein.-con., brick and steel, general contract to H. Fawcett, Mesaba Blk., Duluth, $175,000. Archts. est. $200,000. Noted Aug. 23.

Minn., St. Paul—Lodge—Fraternal Order of Eagles, Aerie No. 33, 3 story and basement, 120 x 120 ft. rein.-con., brick, tile and stone, 12th and Wabasha Sts., excavation to C. F. Sculley Equipment Co., 212 Dakota Bldg.; superstructure will be built by day labor. Est. cost $225,000.

Minn., St. Paul—School—Dept. Educ., 2 story and basement, rein.-con., brick, tile and stone, Thomas, Arundel and Edmund St., general contract to E. Bjorklund, 485 Endicott Bldg., $126,927. Noted Nov. 15.

Minn., Virginia—High School—Independent School Dist., 2 story and basement, 58 x 113 ft. addition, rein.-con., brick and stone, general contract to Beck Eng. & Constr. Co., 1137 Plymouth Bldg., Minneapolis, $133,460. Archts. est. $166,272. Noted Nov. 8.

Kan., Hutchinson—School—Bd. Educ., 2 story and basement, 122 x 156 ft., brick and concrete, Maple S., to L. P. Riggs, Larned.

Tex., Dallas—Apartment Hotel—E. F. Hamilton, 726 North Beacon St., 8 story and basement, 275 x 400 ft., concrete and brick, plain foundation, Oak Lawn and Cedar Springs Sts., to Gilsonite Constr. Co., Southwestern Life Bldg., $1,800,000.

Calif., La Jolla—Hotel—I. M. Hopkins, 537 East Jefferson, Los Angeles, 2 story, 250 x 276 ft. frame and plaster, to Miller & Miller, 4863 West Washington St., Los Angeles. $235,000.

Calif., Oakland—School—St. Elizabeths Parish School, 1532 34th Ave., 2 story and basement, rein.-con. 34th St. Ave., to Larsen-Siegrist Co. Claus Spreckels Bldg., San Francisco. $251,777. Noted Nov. 22.

Calif., San Diego — Hotel, etc. — L. R. Lurie Co., 315 Montgomery St., San Francisco, 6 story hotel and auto stage depot, North Bway., to Yukicevich & Bagge, 815 Bryant St., San Francisco, approximately $1,000,000, awarded on percentage basis. Pickwick Stages, Inc., 683 Market St., San Francisco, lessee.

Calif., San Francisco—High School—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., will build 3 story, brick, 29th St. near Church St., by day labor, $150,000. Shea & Shea, Chronicle Bldg., archts.

Calif., San Francisco—Office and Store—Crocker Estate Co., Crocker Bldg., 3 to 5 story, Class A construction, Market St. near Kearny St., to Dinwiddie Constr. Co., Crocker Bldg. Noted Feb. 22.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Laundry Equipment—Spec. 4930—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans reinstallation laundry equipment, here.

Wash., Camp Lewis — Buildings — Constructing Quartermaster General, War Dept., Wash., D. C., plans to replace frame buildings here, with permanent concrete buildings.

Wash., Keyport—Extension to Building—Spec. 4926—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans extensions to operating building, here.

Wash., Puget Sound — Barrack — Spec. 4928—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans barrack for unmarried operators, here.

BIDS DESIRED

W. Va., Huntington—Generator, Motor, etc.—Dec. 19 at office U. S. Engineer, for diesel engine, generator, motor, etc., for towboat "Kanawha."

Ala., Florence—Cement—Dec. 3, at office U. S. Engineer, furnishing 115,000 bbl. American portland cement for Wilson Dam.

Ky., Owensboro—Lumber—Nov. 30, at office U. S. Engineer, P. O. Box 72, Louisville, approximately 30,000 ft. yellow pine No. 2 and better, and 90,000 ft. yellow pine, No. 1 rough, f.o.b. here.

Wash., Seattle—Bridge—Dec. 27, at office of C. E. Dole, gen. purch. agt. Alaskan Eng. Comn., Bell St. Terminal, furnishing 200 ft. through steel riveted truss span.

BIDS RECEIVED

S. C., North Island—Quarters—Spec. 4929—Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing quarters at radio compass station, here, (1) work complete from Simons-Mayrant Co., 506 People's Office Bldg., Charleston, S. C., (1) $7,575 (90 days) (2) deduct $165 (3) deduct $750 (4) deduct $350. Noted Oct. 18.

Ga., Fort Benning—Quarters—Constructing Quartermaster, 6 double sets officers' quarters and hospital building, incl. heating plant, (1) work complete, from E. A. Boehl & Co., Leavenworth, Kan., (1) $117,000 (2) $18,900 (3) $2,166 (5) $1,200 (6) $200 (180 days). Noted Oct. 25.

Ill., Great Lakes—Rebuilding Laundry—Spec. 4918—Bureau Yards & Docks, Navy Dept., Wash., D. C., rebuilding laundry at Training Station, here. (1) work complete from G. I. Morgan, 342 Ridgeland Ave., Waukegan, (1) $31,992 (2) $27,851 (3) $626 (4) $400. Noted Nov. 1.

Neb., Central City—Post Office—Treas. Dept., Wash., D. C., construction incl. mechanical equipment U. S. Post Office, here, from W. D. Lovell, 1415 South East 8th St., Minneapolis, Minn., $43,465. Noted Oct. 18.

Nevada—Road—C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., 9 Main St., San Francisco, Calif., grading 8.87 mi. Meadow Creek Sect., Gold Creek-Jarbridge Highway, Elko Co., here, 53,500 cu.yd. excav., 1,660 lin.ft. corrugated metal pipe, etc., from Morrison-Knudsen Co., Railroad and Reclamation Aves., Boise, Idaho, $84,793 (furnishing explosives). Engrs. est. $68,922. Noted Nov. 1.

Oregon—Road—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., Post Office Bldg., Portland, constructing 7.2 mi. Detroit-Niagara Sect. Santiam National Forest Rd., Marion Co., from Payne & Padrick, Marshfield, $139,220 (Government furnishing explosives); $139,320 (contractor furnishing explosives). Noted Nov. 1.

Oregon—Road—C. H. Purcell, dist. engr., U. S. Bureau Pub. Rds., New Post Office Bldg., Portland, constructing 7.2 mi. Waldo-Elk Creek Sect., Grants Pass-Crescent City National Forest Project, Josephine Co., from MacVear, Walls & Logan, Grants Pass, 35 acres clearing $200, 21 acres grub-

Federal Government Work (Continued)

bing $300, 5,000 cu.yd. rock excav. $1, 53,000 cu.yd. common excav. $0.525, 1,500 cu.yd. structural excav. $1, 120 cu.yd. Class A concrete $32.50, 145 cu.yd. Class C concrete $27.50, totals using concrete pipe $67,323, using galvanized iron pipe, $64,166. Noted Nov. 1.

CONTRACTS AWARDED

N. Y., Buffalo—Cement—U. S. Engineer, 2,600 bbl. cement, to Lehigh Portland Cement Co., Ellicott Sq., $2.83.

Va., Norfolk—Dredging—U. S. Engineer, dredging 69,000 cu.yd. in eastern branch Elizabeth River, Norfolk Harbor, from Norfolk Dredging Co., P. O. Box 494, $27,806. Noted Oct. 11.

Fla., Pensacola — Distribution System, etc.—Spec. 4715—Bureau Yards & Docks, Navy Dept., Wash., D. C., reconstruction steam distribution and heating systems, at Naval Air Station, here, to Newport Contg. and Eng. Co., Law Bldg., Newport News, Va., $23,448 (120 days). Noted Oct. 25.

Ala., Florence—Cement and Lumber—U. S Engineer, furnishing for Wilson Dam, at Muscle Shoals, 25,000 bbl. portland cement to Phoenix Portland Cement Co., Birmingham, $70,812; 450,000 ft. yellow pine lumber to Acme Lumber and Coal Co., Amer. Trust Bldg., Birmingham, $14,048; 250,000 ft. yellow pine to Flynn-Wooten Co., Columbus, Miss., $7,860.

Ill., Belleville — Hangars — Constructing Quartermaster, Scott Field, two 66 x 160 ft. steel hangars, to S. Kraus, Belleville, $9,086. Noted Oct. 11.

Alaska, Juneau—Breakwater—U. S. Engineer, furnishing and placing 15,000 tons of stone for breakwater in Wrangell Harbor, here, to N. Fleiness, 539 North 80th St., Seattle, Wash., $32,750. Noted Oct. 18.

P. I., Cavite—Reconstruction of Wharf—Spec. 4896—Bureau Yards & Docks, Navy Dept., Wash., D. C., reconstructing wharf, here, to J. E. Grant, 2030 Croquieta, Manila, $35,000. Noted Aug. 16.

Unclassified

PROPOSED WORK

Transmission Line—New York—Corning Light & Power Co., 54 East Market St., Corning, plans power line from plant in Elmira to Corning, with extensions to Riverside, South Corning, Erwin, Gang Mills and Coopers. $50,000. Engineer not announced.

Ferry Houses, etc.—New Orleans, La.—Algiers Pub. Service Corp., R. T. Nolan, mgr., plans 3 ferry houses, numerous bridge approaches for Canal St. and 3rd Dist. Ferries, also two ferry boats, 150 ft. long, 67 ft. wide. $350,000. W. T. Nolan, Canal Commercial Trust & Savings Bank Bldg., archt.

Summer Resort—Chimney Rock, N. C.—Chimney Rock Mountains, Inc., plans large lake, concrete dam, 100 ft. high, 2 hotels, 27 mi. driveways, replacement 6 mi. State Highway, club house, tennis, golf and polo grounds, water, sewer and power development for lighting purposes. $4,000,000. L. B. Morse, pres.

Stadium—Macon, Ga.—Mercer University plans concrete stadium, seating capacity 15,000. $100,000.

Dock, etc. — Cincinnati, O. — Cincinnati River-Rail Transfer Co. soon takes bids dock with railway connections along Ohio River. B. L. Baldwin, ch. engr.

Transmission Line—Wisconsin—Wisconsin Utilities Co., Monroe, plans 66,000 volt transmission line from here to Orfordville, and increasing voltage of present lines from Janesville to Orfordville from 33,000 to 66,000 volts, also increasing capacity of substation at Janesville. $100,000. Private plans.

Golf Course — Milwaukee, Wis. — Blue Mound Country Club, c/o H. W. Ellis, pres., 149 Michigan St., making plans 18 hole golf course. Will build club house later. $100,000. S. J. Rayner, Southampton, N. Y., engr.

Storage Space—Milwaukee, Wis.—Milwaukee Auditorium, 6th and Cedar Sts., making plans storage space under sidewalk, structural steel and concrete. $30,000. Clas, Shepherd & Clas, 445 Milwaukee St., engrs.

Golf Course—Mineral Point, Wis.—Blue Grass County Club, making plans 9 or 18 hole golf course, tennis courts and club house. $40,000. Private plans.

Pipe Line—Amarillo, Tex.—See "Industrial Works."

Levees—Kaufman, Tex.—Kaufman Levee Dist. 1, Kaufman Co., election Dec. 4, to vote on $140,000 bonds, repairs and maintenance of present levees.

Pipe Line—Marlin, Tex.—Natl. Petroleum Co., Magnolia Bldg., Dallas, plans pipe line from Post Oak Oil Field to San Antonio and Arkansas Pass R.R. $40,000.

Concrete Tanks—San Antonio, Tex.—W. E. Simpson, engr., Natl. Bank of Commerce Bldg., takes bids about Jan. 1, ten concrete tanks, 20 ft. diam. x 50 ft., 3,000 cu.yd. earth excav., 700 cu.yd. earth fill, 3,500 cu.yd. rein.-con., 350 tons reinforcing steel, for San Antonio Portland Cement Co., Lakeview Ave.

Lighting System—La Jolla, Calif.—City of San Diego plans ornamental lighting system, incl. 99 standards, underground conduits, marbleite posts, etc., in Girard St. and Prospect Ave., here. $25,000. F. A. Rhodes, City Hall, San Diego, engr.

Shipping Terminal — Berkeley, Calif. — East Bay Terminal & Manufacturers Assn., 6234 San Pablo Ave., Oakland, plans shipping terminal, here. $500,000. G. A. Posey, c/o Courthouse, Oakland, directing engr. R. S. Hawley, 1091 43rd St., Oakland, consult. engr.

Telephone Line—Redding, Calif.—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, plans 188 mi. telephone line from here to Vaca-Dixon substation. To exceed $100,000.

Harbor Improvements — Ontario — Dept. Pub. Wks., Ottawa, plans improvements to harbor at Chantry Island, Bruce Co., $50,000, also dredging and improving Saugeen Harbor, extending and improving piers, etc., Bruce Co., $120,000. H. B. Craig, Royal Bank Bldg., London, engr.

BIDS DESIRED

Pavilions—New York, N. Y.—Dec. 20, in office of General Medical Superintendent, Bellevue Hospital, 415 East 26th St., Pavilions F and G of new Bellevue Hospital. J. J. McGrath, pres. Bd. Trustees Bellevue & Allied Hospitals.

Test Borings—Phila., Pa.—Dec. 4, by W. S. Twining, dir. Dept. City Transit, 1211 Chestnut St., test borings for bridge over Schuylkill River and for subway and elevated railway construction in West Phila.

Heating and Ventilating Apparatus—Cincinnati, O.—Dec. 24, by Clerk Bd. Educ., 511 West Court St., heating and ventilating apparatus in 25th Dist. School, Tremont St. To exceed $25,000. W. E. Bordenstein, 405 2nd Natl. Bank, engr.

BIDS RECEIVED

Heating and Ventilating Apparatus—New York, N. Y. — Bd. Educ., 500 Park Ave., Nov. 21, heating and ventilating apparatus in P. S. 12, Bronx, from Federal Heating Co., 300 Madison Ave., $25,431.

Heating, Ventilating, Plumbing, etc.—Phila., Pa.—F. H. Caven, dir. Pub. Wks., 216 City Hall, and Bd. Trustees Free Library of Phila., heating and ventilating system from J. H. Cooney, 210 North 4th St., Harrison, N. J., $397,500; plumbing, etc., from W. S. Connell Co., Colonial Trust Bldg., $236,000; for free library building, Vine, 20th, Wood and 19th Sts. Noted Nov. 8.

CONTRACTS AWARDED

Retaining Wall, etc.—Providence, R. I.—D. W. Flint, Inc., Allens Ave., 100 x 110 ft., rein.-con. retaining wall, rein.-con. foundations for several storage tanks and 40 x 60 ft. steel building, to Mahoney & Tucker, 72 Weybosset St. Archts. est. $25,000.

Jetty—Asbury Park, N. J.—Repairing 650 ft. jetty, to T. Proctor Co., 212 North 5th St., Long Branch, $25,000.

Foundations—Baltimore, Md.—Sanitary Mfg. Co., Bessemer Bldg., Pittsburgh, Pa., concrete and rein.-con. foundations for manufacturing buildings, 5th Ave. east of Baltimore & Ohio R.R., here, to B. A. Groah Constr. Co., 847 West North St., Pittsburgh, and Fort Pitt Bridge Wks. of Pittsburgh, Oliver Bldg., Pittsburgh, Pa. Engrs. est. $100,000. Noted May 17 under "Buildings."

Gas Line—Bastrop, La.—Excelsior Pipe Line Co., 25 mi. 8 in. gas pipe line from here to West Monroe, to General Constr. Corp., Bastrop, $25,000.

Culvert—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, to H. A. Henske, 1504 St. Louis Ave., rein.-con. culvert to carry Delmar Blvd. over River Des Peres, 32,330 cu. yd. Class A excav. $0.85 per cu.yd., 72,560 cu.yd. Class B excav. $0.40, 8,485 cu.yd. Class C excav. $1, 64,030 cu.yd. Class A concrete $0.55, 52,470 cu.yd. Class B concrete, etc., $0.45, total $150,756. Noted Oct. 4.

Electrolier System—Los Angeles, Calif.—Electrolier system in Washington St. between Hobart and 8th Aves., to Newberry Electric Corp., 724 South Olive St., $42,136. Noted Nov. 22.

Street Lighting System — Santa Paula, Calif.—Street lighting system, incl. 123 ornamental standards, to Osborn Electric Co., Turlock, $25,115.

Improving Harbor—Port Stanley, Ont.—Dept. Pub. Wks., Ottawa, dredging and improving harbor to Port Arthur Constr Co., Ltd., Excelsior Life Bdlg., Toronto, $50,150.

Materials and Equipment

PROPOSED WORK

Motor Street Sweeper—Yuba City, Calif.—City plans to purchase street sweeper. C. C. Kline, city clk.

BIDS DESIRED

Highway Materials, etc. — New York, N. Y.—Dec. 3, by E. W. Buckley, comr. Purchase, Municipal Bldg., highway and roofing materials to Fire Dept., Depts. Health, Parks-Brooklyn and Street Cleaning.

Inorganic Dust—New York, N. Y.—Dec. 5, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 300 tons inorganic dust.

Material for Bridge Repairs—Phila., Pa.—Dec. 4, by Dept. Pub. Wks., Bureau of Highways, material for repairing bridges, furnishing granite block, furnishing dryers for city asphalt plant. F. H. Caven, dir.

Crane—Urbana, Ill.—R. G. Flaugher Constr. Co., 1105 South Race St., in market for 1½ yd. full revolving caterpillar tread auto crane.

Snow Removing Machinery — Madison, Wis.—City, c/o H. C. Buser, clk., City Hall, taking bids snow removing machinery incl. scrapers, brooms, etc.

Lumber—Marengo, Ia.—Dec. 5, by Auditor Iowa Co., 240,000 ft. bridge lumber. C. P. McGrath, Marengo, engr.

Steel Bars, etc.—Mason City, Ia.—Dec. 3, by Auditor Cerro Gordo Co., 15 tons ⅞ in. round steel reinforcing bars and 3,024 ft. 12 in. corrugated metal culbert. Iowa Hy. Comn., Ames, engrs.

Plank and Piling—Onawa, Ia.—Dec. 4, by Auditor Monona Co., 5 cars full sawn fir bridge plank and 1 car cedar piling. A. P. Borman, Onawa, engr.

Wire and Cables—Austin, Minn.—Dec. 4, by Water, Electric Gas & Power Comn., 124,000 lin.ft. Nos. 0-4-6-8 cable, 8,200 lb. Nos. 4-6-8-10 T B W P wire. J. C. Todd, secy.

Piles—California—L. H. Smith, purch. agt., State Hy. Comn., Sacramento, taking bids furnishing nine hundred fifty 40 ft. piles, on bank of Klamath River, at bridge site about 2 mi. east of Requa, Humboldt Co.

Motor Street Sweeper—Porterville, Calif.—City trustees receiving bids motor street sweeper. F. Pease, city eng.

BIDS RECEIVED

Inorganic Dust, etc.—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, Nov. 21, 1,200 tons inorganic dust, from Limestone Products Corp. of America, 17 West 42nd St., New York, $6,420; 6,000 cu.yd. asphalt sand, from T. E. McCormick, 810 Lincoln Rd., Flatbush, $7,800; 3,000 bbl. Portland cement, from Hygrade Builders Supply Co., 6th St. and 2nd Ave., $8,520; W. M. Young, $8,520, E. E. Buehler, $8,520; 2,500 cu.yd. gravel or broken stone, from Rosoff Sand & Gravel Corp., 152 West 42nd St., New York, $6,125. Noted Nov. 15.

CONTRACT AWARDED

Steel—Cincinnati, O.—Cleveland, Cincinnati, Chicago & St. Louis R.R., Union Central Bldg., 375 tons structural steel, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa. Engrs. est. $20,000.

Concrete Aggregates — Michigan — See "Streets and Roads."

Crushing Plant—Owatonna, Minn.—Steele Co., 1 portable combined gravel, screen and crushing plant, to Russell Grader Mfg. Co., 2005 University Ave. S. E., Minneapolis, $6,725. Noted Nov. 8.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate: 40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BUSINESS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Dec. 13.

State Road Work

Charleston, W. Va.

Sealed proposals will be received by the State Road Commission of West Virginia at its offices in Charleston, West Virginia, until ten o'clock a.m., on the 13th day of December, 1923, and said proposals will be opened and read immediately thereafter at the Kanawha County Court House, Charleston, W. Va., for the construction of the following sections of State Road:

Project 3304-A—Monroe County—10 miles of the Rock Camp-Peterstown Road, for grading and draining. Certified check $7,000.00.

Project 131 — Pocahontas County — 2.1 miles of Marlinton-Buckeye Road, for paving with bituminous macadam. Certified check $2,500.00.

Project 132 — Pocahontas County — 4.2 miles of Buckeye-Mill Point Road, for paving with bituminous macadam. Certified check $4,500.00.

Project 3200—Logan County—6 miles of Blair-Ethel Road, for grading and draining. Certified check $3,500.00.

Project 3229—Taylor County—7 miles of Northwestern Turnpike, for grading and draining. Certified check $4,500.00.

Project 3278-A—Lewis County—6.5 miles of Glenville-Weston Road, for grading and draining. Certified check $3,500.00.

Project 3160—Doddridge County—8.14 miles of Northwestern Turnpike, for concrete paving. Certified check $9,500.00.

Project 3186—Preston County—5 miles of the Thomas-Oakland Road, for grading and draining. Certified check $4,000.00.

Project 3272—Preston County—5.6 miles of Reedsville-Monongalia County Line Road, for grading, draining and paving with bituminous macadam. Certified check $7,000.00.

Project 3274 — Monongalia County — 8 miles of Morgantown-Preston County Line Road, for grading, draining and paving with bituminous macadam. Certified check $12,000.00.

Project 134—Hampshire County—5 miles of Pleasantdale-Hanging Rock Road, for grading and draining. Certified check $2,500.00.

Proposals will be received only upon State Standard forms in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates may be obtained from the office of the Division Engineer in whose territory the proposed construction is located, or from the office of the State Road Commission at Charleston, West Virginia.

Each proposal must be accompanied by a certified check for the amount noted.

The right is reserved to reject any and all proposals.

State Road Commission of West Virginia.
E. B. CARSKADON,
Secretary.

Bids: Dec. 10.

Sewerage, Waterworks, Etc.

New Orleans, La., Oct. 11, 1923.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock, noon, of Monday, December 10th, 1923, for furnishing labor and material, on a percentage basis, for sewerage, waterworks and drainage construction, during the year 1924. Specifications and blank proposal forms may be obtained at the office of the Board, No. 526 Carondelet Street, New Orleans, Louisiana. The right is reserved to reject any, or all bids.

GEO. G. EARL, Gen.'l Supt. A. G. MOFFAT, Secretary.

OFFICIAL PROPOSALS

Bids: Dec. 5.

Bridge

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the Construction of Bridge No. HI-48, on the Squankum-Lakewood Road, consisting of one 70' plate girder span encased in Concrete, and opened and read in public at the rooms of said board, Court House, Freehold, New Jersey, on December 5th, 1923, at 11:00 a.m., Standard Time.

Drawings and specifications for the proposed work, prepared by George K. Allen, Jr., County Engineer, have been filed in the office of said Engineer at 60 Broad Street, Red Bank, New Jersey, and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10.00), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work, payable to the order of the County Treasurer and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and before the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.
BRYANT B. NEWCOMB,
Director.

Attest:
CHARLES E. COLE, Clerk.
Freehold, N. J., October 17th, 1923.

Bids: Dec. 12.

Reservoir

Albuquerque, N. Mex.

Sealed proposals will be received at the office of the City Clerk of the City of Albuquerque, New Mexico, until two o'clock p.m. on Wednesday, December 12, 1923, for construction of a reinforced concrete reservoir of approximately 10,000,000 gallons capacity.

Plans, specifications and proposal form may be obtained from the City Engineer of the City of Albuquerque upon the deposit of twenty-five ($25.00). Deposit to be refunded upon return of plans and specifications in good condition on or before December 12th, 1923.

The City reserves the right to reject any or all bids.

B. H. CALKINS, City Manager.
F. KIMBALL, City Engineer.
IDA V. MALONE, City Clerk.

OFFICIAL PROPOSALS

Bids: Dec. 17.

Waterworks Improvements

Elizabethtown, Ky.

Sealed bids for improvements to the waterworks at Elizabethtown, Ky., will be received by the Mayor and City Council, at the office of the City Clerk until 2 o'clock p.m., December 17, 1923, at which time and place they will be publicly opened and read.

The improvements proposed consist of:

The Construction of a 750,000 gallon gravity type Filtration Plant, in two units.

Furnishing 4 centrifugal pumps and electric motors.

Bids will be received separately on furnishing and installing the filter equipment.

Plans and specifications may be examined at the Mayor's office at Elizabethtown, Ky., or at the office of the Engineer, or a copy may be obtained from the Engineer upon receipt of a deposit of $15.00 of which amount $10.00 will be refunded when the plans and specifications are returned in good order.

If additional information is required, address the Engineer.

The right is reserved to reject any and all proposals and to waive informalities.

The Contractor will be paid in cash on monthly estimates amounting to 90% of the value of the work done and materials furnished.

All proposals and bids must be accompanied by a certified check drawn on a responsible bank or trust company and made payable to Starling Wells, City Clerk, for a sum not less than 5% of the aggregate of the proposal.

The successful bidder will be required to furnish a performance bond in the sum of 50% of the contract price.

B. H. KLYCE, Engineer,
720 4th & 1st Natl. Bank Bldg.,
Nashville, Tenn.

Bids: Dec. 5.

Street Improvements

Raleigh, N. C.

Sealed proposals will be received by the Mayor and Commissioners of the City of Raleigh, N. C., until 3:00 p.m., December 5th, 1923, at the City Hall in Raleigh, N. C., for the construction of Street Improvements.

The work will consist of approximately 75,000 square yards, more or less, of Sheet Asphalt or other Bituminous pavement on a concrete foundation; or One Course Concrete Pavement; Combined Concrete Curb and Gutter; Granite Curbing; Storm Drainage, etc.

Proposals must be marked "Proposals for Street Improvements for the City of Raleigh, N. C." All bids must be submitted upon blank forms provided in copies of the proposal ,contract and specifications.

Each bid must be accompanied by a certified check for five (5) per cent of the amount of the bid, as evidence of good faith.

Plans, copies of the proposal, contract, specifications, etc., may be obtained upon application to the Engineer.

The city reserves the right to reject any or all bids or to award contracts which appear to be for the best interests of the city.

WILLIAM C. OLSEN,
Engineer,
Raleigh, N. C.
Kinston, N. C.

E. E. CULBRETH, Mayor.
C. C. PAGE, Commissioner, Public Works.
W. L. DOWELL, City Clerk.